

19980106.qrp v00_n962.qrs.980106

Date: Tue, 6 Jan 1998 19:03:26 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 962

QRP-L Digest 962

Topics covered in this issue include:

- 1) [103] Cohn Filters
by pete petry <cpetry@ccs.lmco.com>
- 2) [104] Re: JPS ANC-4 instructions?
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 3) [105] dummy loads
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 4) [106] Re: hp-48
by cmos@mail.microserve.net
- 5) [107] Tues Fox nite
by "Dean Marzocca" <n2tnn@ifu.net>
- 6) [108] Re: Ray Beam
by sgordon1@ibm.net
- 7) [109] FYBO 20M Kit
by "\"W. Kimura\"." <W.Kimura@valley.net>
- 8) [110] Thanks to the Management!
by d.nordquest@juno.com
- 9) [111] Re: morse code at the movies
by "\"W. Kimura\"." <W.Kimura@valley.net>
- 10) [112] N/T+ FOX Spot *Now*
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 11) [113] Re: ARRL RTTY Roundup
by Dave Sjolín <sjolin@swbell.net>
- 12) [114] Lab Data: Diodes as varicaps (was 1N4004 ...)
by Paul Harden <pharden@aoc.nrao.edu>
- 13) [115] 20 Meter SSB Calling Frequency
by Mike Martin <mmartin@internetni.com>
- 14) [116] QQ
by Rich Wilkerson <richqrp@home.com>
- 15) [117] N/T+ fox 0000 - 0200 UTC 1/6/98
by "tom palmer" <n1tp@worldnet.att.net>
- 16) [118] Last Chance - Group Buy
by "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
- 17) [119] Re: winding toroids
by Michael Neverdosky <MichaelN@cycat.com>
- 18) [120] Dan's Small Parts
by Ed Dout <edn4pk@VoyagerOnline.net>
- 19) [121] Running a generator on "gas"

by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
20) [122] Help w/QRP Antenna Coil
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
21) [123] Re: Dan's Small Parts
by "Dave Rowe" <elim@ime.net>
22) [124] MI QRP Test
by Randy Brace <k8zaa@compuserve.com>
23) [125] KC-1 Sold
by mykey@aztec.asu.edu (MICHAEL C. TODD)
24) [126] re: N/T+ fox 0000 - 0200 UTC 1/6/98
by Shepherd <Shepherd@aol.com>
25) [127] 9N1ARB
by Paul Erickson <paul1@wizard.ucsfu.ca>
26) [128] QQ
by af852@rgfn.epcc.Edu (William R Colbert)
27) [129] Re: hp-48
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
28) [130] Source for HP-48
by Roger Braker <msebrakr@telepath.com>
29) [131] 38 special custom case
by Jay Bromley <w5jay@cei.net>
30) [132] Re: Help w/QRP Antenna Coil
by Roger Braker <msebrakr@telepath.com>
31) [133] FS: OHR-400 (Reduced)
by "Tim Cook" <timcook@erinet.com>
32) [134] RS ProbeScope-Optical Isolation Probe
by ka7you@juno.com
33) [135] MCM Electronics Flyer Items
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
34) [136] Big Black Hole
by Joel Malman <malman@BBN.COM>
35) [137] RE: hp-48
by ke3fl@juno.com
36) [138] QRP Antenna Coils
by km@PACT.ORG.PE ()
37) [139] Re: Thanks to the Management!
by "Ron Smith" <resmith@primenet.com>
38) [140] Re: 20 Meter SSB Calling Frequency
by Mike Stapp <stapp001@gold.tc.umn.edu>
39) [141] Thanks to the Management!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
40) [142] FOX: N/T Fox monday night
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
41) [143] Fwd: Re:Portable Antenna Idea
by Ken Graham <k5id@ipa.net>
42) [144] Big Black Hole
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
43) [145] Tnx for Antenna Coil Help

by "Wilford D. Lindsey" <70511.3041@compuserve.com>
44) [146] Fox alert
by "Dean Marzocca" <n2tnn@ifu.net>
45) [147] WTB: Tandy Model 100
by Blackpug1 <Blackpug1@aol.com>
46) [148] FAQ: FYBO Winter QRP Field Day
by Joe Gervais <vole@primenet.com>
47) [149] MCM Flyer - Phone No.
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
48) [150] RE: Big Black Hole
by "R. Wilkerson" <richqrp@home.com>
49) [151] inactive clubs
by "Dan L. Evans" <dlevans@hsonline.net>
50) [152] Re: FYBO question\critters
by "Dan L. Evans" <dlevans@hsonline.net>
51) [153] Active Club!
by "Floyd Soo, W8R0" <hires@rust.net>
52) [154] Re: Radio Shack = Radio Spares?
by Leon Heller <leon@lfheller.demon.co.uk>
53) [155] Re: Source for HP-48
by cmos@mail.microserve.net
54) [156] Re: hp-48
by cmos@mail.microserve.net
55) [157] Re: Is the listserver broken??
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
56) [158] MI-QRP Log
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
57) [159] ARRL RTTY Roundup Stats...
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
58) [160] Micrometals toroidal core spreadsheet
by Leon Heller <leon@lfheller.demon.co.uk>
59) [161] portable receiver
by mikemo@ibm.net
60) [162] Re: Big Black Hole
by "William R. Moore" <wr.moore@worldnet.att.net>
61) [163] Re: Micrometals toroidal core spreadsheet
by wb8ygg@juno.com (Bradley S. Mitchell)
62) [164] Re: AT11 mods/question
by kf2ew@juno.com (David M Kopacki, Sr.)
63) [165] Finished Ten-Tec T-Kit 1340
by Jim Osburn <wd9eyb@butler.qrp.com>
64) [166] Re: portable receiver
by Stanley Wilson <microres@crl.com>
65) [167] Unbalanced Dipoles?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
66) [168] Re: Still FS:QRP Gear
by Bill Myers <bjmyers@arc.net>
67) [169] Re: hp-48

by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
68) [170] Re: FYBO question
by Chris Cartwright <ccart@dns.vidtel.com>
69) [171] Re: WTB: Tandy Model 100
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
70) [172] Re: FYBO Winter QRP Field Day
by Joe Gervais <vole@primenet.com>
71) [173] WTB QRP Wattmeter
by "Craig Lund" <clund@bestweb.net>
72) [174] warming up for FYBO
by Steve Galchutt <n0tu@webaccess.net>
73) [175] Re: IC-730 qrp mod
by "George T. Baker" <w5yr@swbell.net>
74) [176] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
by jeverhar@camden.lmco.com
75) [177] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
by adams@chuck.dallas.sgi.com (Chuck Adams)
76) [178] Operating in Canada
by KB9RPD <KB9RPD@aol.com>
77) [179] Mi. Test.....QQ.....N4BP, give him a break!
by ab5uacw@juno.com (Clifton W Sikes)
78) [180] Re: Active Club!
by "Paul R. Valko" <prvalko@oakland.edu>
79) [181] RF-1 'manual'
by Niel Skousen <nskousen@scientech.com>
80) [182] [Fwd: SLB "V" watchers note!]
by jim <kw3u@warwick.net>
81) [183] Re:QQ....Missing Page.....
by Monte Stark <ku7y@sage.dri.edu>
82) [184] Help pls: Low power FM Broadcast equip/laws/etc
by SNickrand <SNickrand@aol.com>
83) [185] [Fwd: Re: SLB "V" watchers note!]
by jim <kw3u@warwick.net>
84) [186] NE612
by aa0qx <aa0qx@prodigy.net>
85) [187] Re: inactive clubs
by Joe Gervais <vole@primenet.com>
86) [188] Re: RF-1 'manual'
by Stanley Wilson <microres@crl.com>
87) [189] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
by Brian Kassel <bkassel@dancris.com>
88) [190] Re: winding toroids
by Brian Kassel <bkassel@dancris.com>
89) [191] Re: portable receiver
by Leon Heller <leon@lfheller.demon.co.uk>
90) [192] Re: winding toroids
by Bob Hightower <ki7mn@dancris.com>
91) [193] Test Equipment Combinations

by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
92) [194] 40-9er
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
93) [195] Re: In-flight emergency
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
94) [196] Re: Test Equipment Combinations
by Bob Bayha <rbayha@ix.netcom.com>
95) [197] First Fox
by kd4kzq@juno.com (jim norsworthy)
96) [198] Re: inactive clubs
by Brian Kassel <bkassel@dancris.com>
97) [199] FS: WELLER CIRCUIT BOARD VISE; COMMUNICATION QUARTERLY SET
by "Charles P. Sammut" <csammut@limbach.com>
98) [200] WTB: SLR camara
by Steven Weber <kd1jv@moose.ncia.net>
99) [201] Component stress in ATU
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
100) [202] [Fwd: Operating in Canada]
by Fred Lesnick <flesnick@Quetico.tbaytel.net>
101) [203] 49er Schematic
by Jerry Parker <jparker@fix.net>
102) [204] Antenna pruning procedures?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
103) [205] Re: portable receiver
by Harvey Laidman <Harvey1@outadaloop.com>
104) [206] ZM-2 Info
by Andy Fox <foxes@theriver.com>
105) [207] Pixie's Progress -- the final chapter (for now), rig cost and beginners
-- N4UY/PX
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
106) [208] Re: ARRL RTTY Roundup
by "Bob Kellogg" <ae4ic@nr.infi.net>
107) [209] Dying clubs
by "Bob Kellogg" <ae4ic@nr.infi.net>
108) [210] RE: Mi. Test.....QQ.....N4BP, give him a break!
by gregoire@endor.com
109) [211] Re: GQRP - Tnx all re Mixers Enquiry
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
110) [212] Re: inactive clubs
by "Bob Kellogg" <ae4ic@nr.infi.net>
111) [213] FYBO '98
by wa5whn@juno.com
112) [214] Messages
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
113) [215] Re: Component stress in ATU
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
114) [216] Re: Test Equipment Combinations
by "Ron Smith" <resmith@primenet.com>

- 115) [217] Re: Dying clubs
by "Ron Smith" <resmith@primenet.com>
- 116) [218] "Normal" Pruning for an abnormal antenna
by "Merschrod, Kris" <km@PACT.ORG.PE>
- 117) [219] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
by "Claton Cadmus" <aplitech@spacestar.net>
- 118) [220] Re: portable receiver
by Ed Loranger <we6w@qsl.net>
- 119) [221] Hamcalc
by George Dobbs <g3rjv@gqrp.demon.co.uk>
- 120) [222] QSL info for 3B8CF
by Karl Heimbach <heimbach@concentric.net>
- 121) [223] FRIEDRICHSHAFEN 1998
by George Dobbs <g3rjv@gqrp.demon.co.uk>
- 122) [224] Re: WTB QRP Wattmeter
by "Phil, K6LS" <k6ls@prolynx.com>
- 123) [225] Re: Test Equipment Combinations
by Roger Braker <msebrakr@telepath.com>
- 124) [226] Re: WTB QRP Wattmeter
by "Ron Smith" <resmith@primenet.com>
- 125) [227] Re: Hamcalc
by Ed Dout <edn4pk@VoyagerOnline.net>
- 126) [228] QSL info for 3B8CF
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 127) [229] First Fox
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
- 128) [230] sprint contact.
by Ed Loranger <we6w@qsl.net>
- 129) [231] Help with selection
by MSU1972 <MSU1972@aol.com>
- 130) [232] Re: QSL info for 3B8CF
by Bob Patten <n4bp@bc.seflin.org>
- 131) [233] FOX: NOGLM log (6 Jan 98 UTC)
by "Buck, Preston D" <BuckPD@corning.com>
- 132) [234] Re: portable receiver
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
- 133) [235] Re: warming up for FYB0
by KB0VCC/1 <kb0vcc@rocketmail.com>
- 134) [236] CQC SWAP LIST
by "Marshall Emm" <mgemm@mtechnologies.com>
- 135) [237] Test Equipment How to books
by Larry Cruise <Larry.Cruise@mci.com>

Date: Mon, 05 Jan 1998 16:34:25 -0700
From: pete petry <cpetry@ccs.lmco.com>
To: qrp-l@Lehigh.EDU

Subject: [103] Cohn Filters
Message-ID: <34B16E01.2E67@ccs.lmco.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello--

I have been seeing references to "Cohn Filters" on the list. I would like to learn more about them. How do they work. How can you design and build them?

Thanks

--

Pete Petry/WD4DHR
Lockheed-Martin
Command & Control Systems
9970 Federal Drive
Colorado Springs, CO 80921
719-594-1265 (v)
Email: cpetry@ccs.lmco.com

Date: Mon, 5 Jan 1998 18:53:39 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [104] Re: JPS ANC-4 instructions?
Message-ID: <Pine.GS0.3.96.980105185325.24783B-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for the response. I have a manual coming.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Mon, 5 Jan 98 14:03:08 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [105] dummy loads
Message-ID: <9801060003.AA00844@krypton.nmr.Hawaii.Edu>

Actually the terminators used for PC based thin net networks work well. They are alleged to be rated at 1/2 watt to 2 watts, but most are metal cased, well shielded and have rather good heat sink capacity with the BNC connectors etc. Even more so when you put on an S0239 type adaptor on the BNC. One is supplied with each network card but only one is needed at the very end of the daisy chain, so they accumulate around anywhere that network expansions are going on. They handle 5 watts intermittently rather easily. The highest rating I have found for one of these is 2 watts, but I suspect those are continous duty ratings.

Mike Burger University of Hawaii at Manoa Department of Chemistry
 AH7R - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Mon, 5 Jan 1998 19:15:13 +0000
From: cmos@mail.microserve.net
To: qrp-1@Lehigh.EDU
Subject: [106] Re: hp-48
Message-ID: <TCPSMTP_GEN.6459.9914@208.210.71.153>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Date: Mon, 05 Jan 1998 18:17:35
> Reply-to: msebrakr@telepath.com
> From: Roger Braker <msebrakr@telepath.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: hp-48

> Hi guys,
> There has been a lot of talk lately about useing an HP-48 for different
> reasons. What is an HP-48?

>
It is a calculator, the best engineering calculator there is.
I got the best in the series, the GX, or HP-48GX.
there is an older 48S and 48SX, but they stoped makeing
them and come out with the new verson, the G and GX,
a few years ago.

Jim Martz,

#####

Cmos@microserve.net
<http://WWW.PCT.EDU/homepage/student/marjam55/>

Date: Mon, 5 Jan 1998 19:12:14 -0500
From: "Dean Marzocca" <n2tnn@ifu.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [107] Tues Fox nite
Message-ID: <199801060013.TAA06780@ifu.ifu.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I will be the fox on Wednesday Jan 7th 0200-0400 UTC

That is also Tuesday night at 9pm-11pm on the east coast. (Everyone else take it from there)

Op frequency will be around 7.037

Looking for as many hunters as possible. Shoot quick but let me get it all the first time.

First time for me this season so let's see what happens.

72/73 Dean N2TNN NJ
n2tnn@ifu.net

Date: Mon, 05 Jan 1998 19:25:22 -0500

From: sgordon1@ibm.net
To: k4wam@email.msn.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108] Re: Ray Beam
Message-ID: <34B179F2.2D54@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill and the group,

Rai Beam antennas can be found at www.raibeam.com

I have talked to several folks with this antenna on 10 & 6 meters and they seem to do a very good job.

Take care,

Scott
N4JXI

Bill McKay wrote:

>
> Does anyone have the address, phone number, E-mail address, or URL for the
> manufacture of Ray or Raye Beams not sure of spelling. Or any other
> information about performance, price, etc., etc..
>
> Thanks Bill
>
> K4WAM@MSN.COM

Date: Mon, 5 Jan 1998 19:28:32 -0500
From: "\"W. Kimura\"." <W.Kimura@valley.net>
To: qrp-1@Lehigh.EDU
Subject: [109] FYBO 20M Kit
Message-ID: <199801060028.TAA24104@norwich.valley.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hmmm... FYBO 1998 is only a few weeks away. Just enough time to build that TenTec QRP

rig from the last FYBO drawing. (Thanks Scorpions) The Kit is great. All of the parts are there plus a few extras. The text is, do I dare say, almost Heathkit. Well two days into it and I've got all of the parts inventoried and the keying circuit built and tested. Did I mention that I'm a kind of slow builder? Did I really say that there's enough time? Stay Tuned, Kim Kimura N1MVU

Date: Mon, 05 Jan 1998 19:33:17 EST
From: d.nordquest@juno.com
To: qrp-l@Lehigh.EDU
Subject: [110] Thanks to the Management!
Message-ID: <19980105.193353.4767.1.d.nordquest@juno.com>

Having experienced life without QRP-L for a few hours, I would like to thank Jim, Chuck & the rest of the management for taking the trouble to keep such a good thing going. Many thanks, fellows!
73, Dave KE9ED

Date: Mon, 5 Jan 1998 19:34:38 -0500
From: "\"W. Kimura\".\" <W.Kimura@valley.net>
To: qrp-l@Lehigh.EDU
Subject: [111] Re: morse code at the movies
Message-ID: <199801060034.TAA24513@norwich.valley.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:59 PM 1/2/98, you wrote:

>Benes, the man whose life they were trying to save in the movie, had the
>answers to this and other miniaturization problems... OK, like, we are now WAY
>off topic! Back to your regularly scheduled mail reflector...

>

>73

>

>Mahlon - N4EEE

>

Actually, with the minaturization wouldn't the signal be qrp?

Ahhh... Sooo

Kim Kimura N1MVU

Date: Mon, 5 Jan 1998 19:37:13 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Cc: "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [112] N/T+ FOX Spot *Now*
Message-ID: <199801051940_MC2-2E31-B243@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

FYI, the N/T+ FOX is on right now, calling CQ with few takers. He is Preston N0GLM. He is on 7139.04 with a 579 into Rochester, MN. Go get him :-).

Also see yo in the Sprint later tonight. Good luck everyone!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 05 Jan 1998 18:40:55 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: ALK0FRP@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [113] Re: ARRL RTTY Roundup
Message-ID: <34B17D97.6CA5@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

AlK0FRP wrote:

>

> Made a bit of a dent in the RTTY contest 201Q's 50 states / Prov, 12
> countries.

>

When I worked you, I think on 20m, you were ten over 9. I about fell out of my chair. Some of the 1500watters weren't as strong.

I dont know if it happened to you but I received a lot of deliberate interference this year. I had Pactor open up on my run during the last hour. Saturday night I had a few lids on cw follow me around the band and throw carriers, etc. Then near the end, even W1AW decided my frequency was a nice place to run a bulletin. Oh well, I needed a reason to move to 80 meters.

Fun contest. 73 de Dave, N0IT

Date: Mon, 5 Jan 1998 17:46:54 -0700 (MST)

From: Paul Harden <pharden@aoc.nrao.edu>

To: qrp-l@Lehigh.EDU

Subject: [114] Lab Data: Diodes as varicaps (was 1N4004 ...)

Message-ID: <Pine.SOL.3.91.980105174030.14801A-100000@zia>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

CAPACITANCE vs. VOLTAGE for some common diodes.

The QRP-L thread on "what's the capacitance of a 1N4004," etc. made me take the following measurements only moments ago. It is based on a sample of one, but from experience, the 1N4000's and the 1N5232 is very close to previous usage. See notes below.

I just finished building a junk-box VFO for the Winter QRPP "Hints and Kinks" (hitting the streets next week I think) and used 1N4001's to make a 2-3v poor-man's regulator as the "varicap" reference, and a 1N914 for the actual varicap, which tunes the VFO from 7.024-7.063 MHz. As can be seen from the data below, while it is very practical to use 1N4000 series, etc. as a poor-man's varicap, it is also rather silly to reverse bias them much more than 2 or 3 volts. Beyond that, the capacitance change is miniscule, not to mention rather small!

Next project ... measure the Q's of the following diodes, as the Q goes up as the reverse voltage goes up (higher Q at 4v than at 0v).

VOLT.	1N4001	1N4003	1N4004	1N4006	1N4007	1N4148	1N5232
0.00v	28.5pF	34	36	20	19.5	2	126pF
.25v	23	27	29	15.5	15.5	3	112
.50	20	23.5	25	13.5	13.5	5	104
.75	18	21.5	22	12	12.5	6	96
1.00v	16.5	19.5	20	11	12	8	92
1.50	15	17	17.5	10	10.5	12	84
2.00	13.5	15.5	15.5	9	9.5	16	78
2.50	12.5	14.0	14.0	8.5	9	32	73
3.00	11.5	13.0	13.0	8	8.5	50	69
3.50	11	12.5	12	7.5	8.5	72	66
4.00v	10.5	12.0	11.5	7.0	8.0	98	64

NOTES ON TESTS:

1. Diode capacitances measured with an H-P 4332A LCR Meter using a Dattel DC8500 Precision Voltage Calibrator as the DC source driving the EXTERNAL DC BIAS VOLTAGE on the LCR Meter.
2. Below 30pF, accuracy +/- .5pF. Above 30pF, accuracy +/- 1pF
3. Capacitances measured with diodes REVERSED biased except 1N4148.
4. 1N4148 capacitances are for FORWARD biased voltages; reverse bias capacitance on the 1N4148 is about 3pF below 10v.
5. The 1N4006 and 1N4007 are actually a PIN diode structure to accomodate the larger current ratings, and thus do not have the typical reverse bias capacitance of most switching/rectifier diodes.
6. Zeners actually make fairly good, linear varicaps ... but with a fairly high standing capacitance (with high tuning voltage). Rule of the thumb for linear region is to bias at around 1/2 the zener voltage and below. In the case of the 1N5232, a 5.6v zener, the capacitance gets fairly flat around 3v, or about 1/2 the Vz=5.6v.
7. It was pointless to reverse bias beyond 4v due to very little additional change.

GL, Paul NA5N

Date: Mon, 05 Jan 1998 18:48:45 -0600

From: Mike Martin <mmartin@internetni.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [115] 20 Meter SSB Calling Frequency
Message-ID: <34B17F6D.72C36E9F@internetni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello!

Does anyone know if there is a qrp ssb calling frequency on 20 meters?

I just put up a 20 meter folded dipole (per Kurt N. Sterba in World Radio), and it works great with 30 watts. I am Hungry for some SSB QRP!

73's

Mike Martin KA9LYY

Date: Mon, 05 Jan 1998 16:57:24 -0800
From: Rich Wilkerson <richqrp@home.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [116] QQ
Message-ID: <34B18174.D0E80425@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK, first off, I would like to thank the people that put this issue together I think this is the best one yet. I am really impressed with the size, layout and content. The only thing wrong was there was no forklift to bring it in my house.....

Keep up the great work.....

--

Rich Wilkerson
WD6FDD, Santee, Ca.
72's, 73's

Date: Mon, 5 Jan 1998 08:23:31 -0500

From: "tom palmer" <n1tp@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [117] N/T+ fox 0000 - 0200 UTC 1/6/98
Message-ID: <19980106012306.AAA8872@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Anyone hear NOGLM in NY? 72, N1TP, Tom, Naples, FL.

Date: Tue, 6 Jan 1998 01:22:31 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>
To: QRP-L@Lehigh.EDU
Cc: GQRP-L@blacksheep.org
Subject: [118] Last Chance - Group Buy
Message-ID: <199801060126.UAA03471@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I talked with the printer today - my order is scheduled for Wednesday AM, so I can take orders via e-mail or telephone til Wednesday early AM for the SPRAT Reprints.

I will also do the ARRL Order for the CD group buy Wednesday also .

If you want either the SPRAT reprints or any ARRL CD's or Handbooks - let me know before Wednesday AM.....

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Mon, 05 Jan 1998 20:28:44 -0500
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [119] Re: winding toroids
Message-ID: <34B188CC.5E31C68E@cycat.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Old salts will recognize this as a 'net needle'.
These were used in various sizes and shapes for making and repairing
fishing nets.

michael N6CHV

w5hir@mail.phoenix.net wrote:

> a SHUTTLE can be made that is very useful in winding toroids.
> a piece of small diameter plastic about four or five inches long is
> used to make the shuttle. Each end is notched rather deeply .
> the guage of wire to be used will dictate the width of notch as well

Date: Mon, 05 Jan 1998 20:32:21 -0500
From: Ed Dout <edn4pk@VoyagerOnline.net>
To: QRP <qrp-l@Lehigh.EDU>
Subject: [120] Dan's Small Parts
Message-ID: <34B189A5.CEE913AF@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok I somehow managed to lose my bookmark to this page..Any help with geting
me back
there...tnx...72/73...Ed N4PK ..

Date: Mon, 5 Jan 1998 17:41:24 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: QRP-L@Lehigh.EDU
Subject: [121] Running a generator on "gas"
Message-ID: <199801060141.RAA10644@netcom7.netcom.com>

In the latest RadComm from the RSGB, there was a good article on
converting a regular gasoline (petrol) generator to run on gas
(propane or CNG). This seems like a useful hack to me, and wonder if
anyone in the US on this list has information or experience on this
topic.

This isn't really QRP-related directly, but this forum has a lot of knowledgeable people.

73, doug

Date: Mon, 5 Jan 1998 20:50:00 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [122] Help w/QRP Antenna Coil
Message-ID: <199801052054_MC2-2E31-B898@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

73 Magazine for December 1997 contains an article entitled "Limited Space Antenna" (pp 27-28). Looks like a fine, light-weight antenna for portable use.

Calls for two identical coils, as follows:

Take a plastic pill bottle 1 + 1/16" diameter. Make a close wound coil 2" long of #24 enamelled wire. This is 85 turns.

So far so good. Except I can only locate pill bottles 1 + 1/4" diameter. And RS seems to be the only local source for enamel wire--but only #22 or #26 :-).

Can anyone say how to use the *available* materials to do the same thing? Seems to me it should be a piece of cake for someone to figure out. Would really appreciate any help someone can offer. Thanks in advance :-).

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 5 Jan 1998 21:01:21 -0500
From: "Dave Rowe" <elim@ime.net>
To: <edn4pk@VoyagerOnline.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123] Re: Dan's Small Parts
Message-ID: <001901bd1a46\$fcdfcc00\$0ec65ad1@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Ed Dout <edn4pk@VoyagerOnline.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, January 05, 1998 8:46 PM
Subject: Dan's Small Parts

> Ok I somehow managed to lose my bookmark to this page..Any help with
geting
>me back
>there...tnx...72/73...Ed N4PK ..
>
>
>
Ed
try this url
<http://www.fix.net/dans.html>

73 dave kc1di

Date: Mon, 5 Jan 1998 21:17:14 -0500
From: Randy Brace <k8zaa@compuserve.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [124] MI QRP Test
Message-ID: <199801052117_MC2-2E2A-68F9@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

While in Arizona visiting my father the XYL and I bought each other Christmas presents.
My present was a Outbacker mobile antenna from the HRO in Phoenix. Never mind what I had to buy her. Anyways, On the way home to Michigan I had lotsa fun in the MI QRP contest. It was my first mobile operating experience. My rig was a QRP+ and 5 watts to the bumper mounted Outbacker. I operated only while the XYL was driving or rest stops, etc.
I managed a total of 26 QSOs while traveling in Oklahoma, Missouri, Illinois, and Indiana.

stations worked were:

40 meters	20 meters	15 meters
N4ROA	N0BF	W2KJ
W3TS	N4BP	N4BP
WA8RXI	K1GDH	N6MM
W9YYG	VE3ELA	VE6GK
K8NWD	W1GUE	K6GVG
K5ZTY	NQ7X	KU7Y
	WA1QVM	=
	N1TP	
	N3IUT	
	N0IC	
	KI7MN	=
	VE6GK	
	KU7Y	
	HP1AC	

I tried 10 meters several times but nada. Lotsa sigs on 80 meters and no RTTY but I =

couldn't tune the Outbacker on the cw portion for some reason.

Thanks to all. 72's

Randy K8ZAA

Date: Mon, 05 Jan 1998 19:21:44 -0700 (MST)
From: mykey@aztec.asu.edu (MICHAEL C. TODD)
To: qrp-1@Lehigh.EDU
Subject: [125] KC-1 Sold
Message-ID: <9801060221.AA18025@aztec.asu.edu>

Gang

The KC-1 has been spoken for. I've tried to answer all the inquiries but if I missed any, please accept my apologies.

Tnx W9UQB Mike

--

[B[C

Date: Mon, 5 Jan 1998 21:20:44 EST
From: Shephed <Shephed@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [126] re: N/T+ fox 0000 - 0200 UTC 1/6/98
Message-ID: <3f115e04.34b19500@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I heard him for just a few minutes, tried to get him but no luck.

72,73
Dan, N8VZU Kettering, Oh
QRP-L #1404

Date: Mon, 5 Jan 98 18:33:26 PST

From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-1@Lehigh.EDU (qrp)
Subject: [127] 9N1ARB
Message-ID: <9801060233.AA25901@wizard.ucs.sfu.ca>

If you want to get Nepal 9N1ARB is working cw (which is fairly rare) on 14.020 listening up 2. Got him last night but had to go QRO ;-(, but got him qrp tonight....YES!!!!!! Listen around 0100z to about 0230z.

Good luck.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Mon, 5 Jan 98 19:37:10 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [128] QQ
Message-ID: <9801060237.AA00496@rgfn.epcc.Edu>

Sprat arrived in Far West Texas today - can the Quarterly be far behind? From the reports I have been seen in ing about another superb issue, I hope not. Maybe tomorrow.

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Mon, 05 Jan 1998 21:40:53 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: cmos@mail.microserve.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [129] Re: hp-48
Message-ID: <34B199B5.40DD@quartz.gly.fsu.edu>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Can the HP-48 do symbolic logic (ie will it bomb if I try to find the result of $2B \times 2B$ or will it return $4B \times 2$?)

I recently bought a TI 86 and was quite disappointed to find out that there was no symbolic logic capability.

Date: Mon, 05 Jan 1998 21:45:39
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [130] Source for HP-48
Message-ID: <3.0.1.16.19980105214539.3f777f36@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Mon, 05 Jan 1998 21:44:14
>To: qrp-1@lehghih.edu
>From: Roger Braker <msebrakr@telepath.com>
>Subject: Source for HP-48
>
>Hi guys,
>Now I know what an HP-48 is, where do you get them. Best Buy obviously doesn't sell them... ho ho (and no I don't buy coax there either):-). TNX
>
>73,
>Arnold kd5ckh

Date: Mon, 05 Jan 1998 20:52:19 -0600
From: Jay Bromley <w5jay@cei.net>
To: qrp-1@Lehigh.EDU
Subject: [131] 38 special custom case
Message-ID: <34B19C39.37C@cei.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I got mine in the mail today, I guess now I have to build it!

The vigil continues on the WBL paddles.

Look around the front door everyday for them.

Oh well got three QSL's in today made out right "W5JAY/QRP".
Ten more to go. About a 50 to 50 rate on QSL's being filled
out right. Even made out a special label asking for confirmation
on W5JAY/QRP for ARRL WAS. Included where peel and stick SASE.
Had to send four back with a letter. At lest they tried!

Life is Great .. Thanks for the vent.

73 de w5jay

w5jay@cei.net

Date: Mon, 05 Jan 1998 21:55:58
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [132] Re: Help w/QRP Antenna Coil
Message-ID: <3.0.1.16.19980105215558.3c5f2936@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Date: Mon, 05 Jan 1998 21:54:03
To: 70511.3041@compuserve.com
From: Roger Braker <msebrakr@telepath.com>
Subject: Re: Help w/QRP Antenna Coil
In-Reply-To: <199801052054_MC2-2E31-B898@compuserve.com>

Hi,
I think that if you look in just about any ARRL handbook they have the
equation for building coils. First find the inductance the orginal coil
would be and then, with find the equivilent coil with the parts you have.
Also, if you are building a tuned circuit with your coil, it is possible to
change the value of the cap. Thats what I did when I built the traps for
my antenna. The PVC pipe was to small so I compensated with a different
value cap. the euation for a tuned circuit should also be in the ARRL
Handbook. Hope that helps.

73,
Arnold kd5ckh

At 08:50 PM 1/5/98 -0500, you wrote:
Gang:

73 Magazine for December 1997 contains an article entitled "Limited

Space Antenna" (pp 27-28). Looks like a fine, light-weight antenna for portable use.

Calls for two identical coils, as follows:

Take a plastic pill bottle 1 + 1/16" diameter. Make a close wound coil 2" long of #24 enamelled wire. This is 85 turns.

So far so good. Except I can only locate pill bottles 1 + 1/4" diameter. And RS seems to be the only local source for enamel wire--but only #22 or #26 :-).

Can anyone say how to use the *available* materials to do the same thing? Seems to me it should be a piece of cake for someone to figure out. Would really appreciate any help someone can offer. Thanks in advance :-).

Date: Mon, 5 Jan 1998 22:05:24 -0500
From: "Tim Cook" <timcook@erinet.com>
To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [133] FS: OHR-400 (Reduced)
Message-ID: <026901bd1a4f\$ef7e1cc0\$04735acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0266_01BD1A26.06003C00"

This is a multi-part message in MIME format.

-----=_NextPart_000_0266_01BD1A26.06003C00
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Still for sale.... will lower the price to \$250 shipped, \$300 shipped = including the unbuilt DD-1 display.

Email if interested
Thanks
Tim
NZ8J

-----=_NextPart_000_0266_01BD1A26.06003C00

Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV>Still for sale.... will lower the =
price to \$250=20
shipped, \$300 shipped including the unbuilt DD-1 display.</DIV>
<DIV> </DIV>
<DIV>Email if interested</DIV>
<DIV>Thanks</DIV>
<DIV>Tim</DIV>
<DIV>NZ8J</DIV></BODY></HTML>

-----_NextPart_000_0266_01BD1A26.06003C00--

Date: Mon, 05 Jan 1998 22:08:54 EST
From: ka7you@juno.com
To: QRP-L@Lehigh.EDU
Subject: [134] RS ProbeScope-Optical Isolation Probe
Message-ID: <19980105.191903.2071.3.KA7YOU@juno.com>

Does anyone have any info on this item?? It is listed in the 1998 catalog, but there is NO information, and it is an RSU item, so it must be ordered, to even see it.

Therefore I have ordered one. The store manager has decided that he doesn't know anything about it either, although he is one of the most knowledgeable RS people I've met, and is willing to let me try it for a month. I have the ProbeScope at work, and am very curious as to it's application. He will then get the opportunity to see one also.

I'll let you know what it does, and how it works when it arrives. It is reputed to be on back-order for several weeks, so it may well be february before I even see it.

7 3,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz
(3456MHz still in the wings)

Date: Mon, 5 Jan 1998 22:11:30 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [135] MCM Electronics Flyer Items
Message-ID: <85256584.0010F400.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Got the latest sale flyer today and noted a couple of items that may be of interest:

12v, 4 amp-hour sealed lead-acid battery, 2.75"x3.65"x4.02" -- No. 29-1910
----- \$14.95 each

Valor 6-position Antenna switch, SO-239 connectors ---- No. 58-2820 -----
\$22.50 each (quantities limited)

Don't know much about Valor. Pretty sure it is "offshore" but specs looked good:

0-250Mhz, 1500W PEP, Insertion loss -- <0.15dB@220MHz, <0.05dB@2meters,
<0.021dB@6 meters, and
<0.020dB@10-160Meters.

Watson/WB4EXW

Date: Mon, 5 Jan 98 22:56:57 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Cc: walqvm@BBN.COM
Subject: [136] Big Black Hole
Message-ID: <199801060357.WAA21988@nss4.cc.Lehigh.EDU>

Hummm, Something is wrong here.

1. I checked the GMT clock... Yes, correct time and date.
2. Checked rig for RIT and SPLIT. All ok.
3. Yep, keyer is working.

4. Walked up the hill to check the antenna this afternoon.

So where is all the Spartan Sprint people? Dud, I don't know.
I worked 4 stations: 2 on 40, 2 of 80... Guess my score is 4.
Maybe it's just the 'New England Black Hole' syndrome.

72 and see you all next month.

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Mon, 5 Jan 1998 22:56:58 -0800
From: ke3fl@juno.com
To: msebrakr@telepath.com, qrp-l@Lehigh.EDU
Subject: [137] RE: hp-48
Message-ID: <19980105.225700.9254.1.ke3fl@juno.com>

>Hi guys,
>There has been a lot of talk lately about useing an HP-48 for
>different reasons. What is an HP-48?

Arnold -

An HP-48 G(X) is a handheld programmable calculator/computer? The GX comes with 128 K of RAM and about a Meg or two of ROM programs built in.

It has RS-232 as well as an IR interface. I've programmed it to talk to water flow measurement devices as well as plot the 2:1 SWR bandwidth of a dipole antenna. I've taught it how to send "the end" in CW but haven't spent the time on making it more versatile in CW.

Hope that answers the question.

73 de KE3FL
Phil K

Date: Mon, 5 Jan 1998 22:58:40
From: km@PACT.ORG.PE ()
To: qrp-l@Lehigh.EDU
Subject: [138] QRP Antenna Coils

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

Date: Mon, 05 Jan 1998 22:22:17 -0800
From: Mike Stapp <stapp001@gold.tc.umn.edu>
To: qrp-l@Lehigh.EDU, mmartin@internetni.com
Subject: [140] Re: 20 Meter SSB Calling Frequency
Message-ID: <34B1CD99.1611@gold.tc.umn.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike Martin wrote:

> Does anyone know if there is a qrp ssb calling frequency on 20 meters?

Mike:

According to both Bob's (KI7MN) Web page at
<http://www.dancris.com/~ki7mn>
and ARRL's Considerate Operator's Frequency Guide in QST for Jan., 1998,
the SSB QRP calling freq. is 14.285 MHz. Ironically, ARRL notes that
the AM calling frequency is 14.286 MHz. Oh well.
72,
Mike - KE0WW
Minneapolis

Date: Mon, 5 Jan 1998 23:36:38 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:d.nordquest@juno.com" <d.nordquest@juno.com>, "Doc W.D. Lindsey/
K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [141] Thanks to the Management!
Message-ID: <199801052340_MC2-2E31-C2DB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dave:

Here's yet another *second* to this. What a great thing it is. We really have developed into a community on the same odyssey :-).

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 5 Jan 1998 23:36:44 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:BuckPD@corning.com" <BuckPD@corning.com>, QRP-L Discussion Group
<QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [142] FOX: N/T Fox monday night
Message-ID: <199801052340_MC2-2E31-C2DD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Preston:

Well ya done real gud, guy! Your signal during our QSO at 0007 or so was simply outstanding, at least the 579 I gave you. Then some QSB set in. But you were at least 549/559 during the rest of the time I was able to monitor the hunt. Congratulations and I look forward as always to seeing your log.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 05 Jan 98 22:41:15 PST
From: Ken Graham <k5id@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [143] Fwd: Re:Portable Antenna Idea
Message-ID: <MAPI.Id.0016.00356964202020203030303430303034@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit

This was lost in the server down time; so I am re-posting it.

This antenna shows how impedance matching can be achieved using capacity to ground (A large, homebrewed capacitor!)

Date: Sat, 03 Jan 98 07:13:02 PST
From: k5id
To: qrp-l@lehigh.edu
Subject: Re:Portable Antenna Idea

I guess my post on the portable antenna idea was not specific enough,
based on returning comments.

First, please note: Even though the antenna was mounted on top of my car, it was intended as a PORTABLE antenna, NOT a mobile antenna; the car was being used as a convenient ground plane for the antenna, and the coax was run to the portable shack location. It works equaally well on Mother-in -law's car, friend's car, stranger's car (standard disclaimers apply)

The antenna is your standard hustler mobile antenna. It is the mount that I am describing:

The basic parts are 1) a piece of heavy sheet metal 12 inches square.
2) a standard ball mount with an L shaped mounting bracket.

- 3) three 10-24 countersunk head screws and nuts
- 4) tape for protecting edges of the sheet metal
- 5) coax to attach antenna

The L shaped bracket is mounted in the center of the metal sheet using countersunk holes in the sheet so the bottom remains flat. Loosen the split halves of the ball mount and rotate it so the antenna will be at right angles to the sheet metal. Put tape along the edges of the sheet metal and also cover the screw heads with tape. Attach the coax center conductor to the ball connection and the braid to the plate.

Screw the hustler into the ball mount and set the plate in the center of the vehicle roof. If it is windy, use some duct tape to hold in place. Adjust the hustler for resonance and you are on the air! Note that there is no electrical connection to the car other than the capacity between the plate and car roof.

I have had good luck with this set-up. Let me know how it works for you. I still haven't tried 80m yet, but assume it will do ok. 40 and 20 both work well....

72/73 Ken K5ID

Date: Mon, 5 Jan 1998 23:56:21 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:malman@BBN.COM" <malman@BBN.COM>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [144] Big Black Hole
Message-ID: <199801060000_MC2-2E31-28E7@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Joel:

Just about the same here. Very strange. Not at my shack, but I *may* have gotten 4 or 5 TOTAL. Incredible. It seemed to start well, but then it was like you said--everyone just went away.

A strange thing was the "sound" of some calling stations--who seemed to be in a barrel. Sort of like multipath distortion.

After a full hour of fruitless calling, I quit and got some actual work done :-).

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 5 Jan 1998 23:56:27 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [145] Tnx for Antenna Coil Help
Message-ID: <199801060000_MC2-2E31-28E8@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Talk about a great group...tons of you fellow QRPers have already responded to my question about the QRP antenna coil, etc. Even one DX guy came back.

Anyway....many THANKS to one and all. I am frankly embarassed at even having to ask such a basic question. Still returning ot activity after 33 years away. Since then have majored on operating and FOX hunting :-)
rather than technical issues.

See one and all on the bands. Good luck, everyone.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 6 Jan 1998 00:02:13 -0500
From: "Dean Marzocca" <n2tnn@ifu.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [146] Fox alert
Message-ID: <199801060503.AAA23911@ifu.ifu.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Last notice for now. Sorry I missed the digest but we are starting late in the evening.

I will be a Fox tonite (Tues, local time), Jan 7, 0200-0400 UTC. I will try around 7.037, with 7.042 as an option if things get bad. I will be using 5 W from an Index Labs QRP+, into a Gap vertical, MFJ keyer and battery supply. Just like FD, FYBO, QTTF but it is going to be HOT in here with all those hounds bayin' thru the trees.

Keep up the good work.....

Hope to see you all there.

72/73 Dean N2TNN NJ
n2tnn@ifu.net

Date: Tue, 6 Jan 1998 00:16:31 EST
From: Blackpug1 <Blackpug1@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [147] WTB: Tandy Model 100
Message-ID: <2a28ba65.34b1be31@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I've got a qrp project I'm thinking about that might involve a portable computer like a Tandy Model 100. Anybody got one for sale? Anyone know of any web sites or places where I can get some leads on one?

Thanks for the help.

Mike
KBORIA

"Here in SOUTH Dakota!"

Date: Mon, 5 Jan 1998 22:17:09 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [148] FAQ: FYBO Winter QRP Field Day
Message-ID: <199801060517.WAA28353@usr08.primenet.com>

Howdy Folks,

Here's the FYBO FAQ - Everything you never wanted to know about FYBO. :-) I'll ask ScQRPion Bob to place it on his webpage for easy access.

I'll be snow-camping very soon (giving my FYBO gear a trial run) so if you happen to hear my frozen fist on the air signing AB7TT/QRP/P, please send some RF my way to warm me up. :-) Hope my ZM-2 tuner shows up in time for the trial run!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Ricola!" -- Pinky and the Brain

=====-----=====

===== FYBO FAQ v1.0 (1/4/98) =====

=====-----=====

by the AZ ScQRPions

*** SAFETY FIRST ***

PLEASE RESPECT THE WX AND YOUR OWN LIMITATIONS!

0) What is it?

A: The FYBO Winter QRP Field Day, sponsored by the AZ ScQRPions, is held in February each year (Feb 7th for 1998). It's a Field Day in the dead of winter, with a twist - your current operating temp is part of the exchange, so you get to see whether your fellow FYBO Ops are roasting by the fireplace or huddled in a snowcave. Also, there is a temperature multiplier - your lowest operating temp is used in figuring your score!

1) What does FYBO stand for?

A: "Freeze Your B_____ Off". The "B_____" stands for whatever you care to put in there. Officially there is no single word that it represents. We ScQRPions are a flexible, accommodating bunch. :-)

2) Is it true the Ice Weasels will come after me if I don't get on the air for FYBO?

A: Those are unsubstantiated rumors, but why tempt fate...?

3) Do I have to be in the Field to participate in FYBO?

A: Heck no! Operate from the cozy comfort of your den if you choose! Someone has to be sending warm temps to the Field Ops so we can dream of being warm. :) If some brave soul sends 10F as their temp, offer the critter a spot by the fireplace after the contest. :)

4) What is the "operating temperature"?

A: This is the temperature at the actual operating position, the temp that the operator and rig are exposed to at any given time. Stick a thermometer next to your paddles and you'll get your operating temp.

5) I noticed the Multi-op category - can we have more than one rig on the air at a time?

A: Yes and no. The Multi-op category is meant to be multi-single. HOWEVER, that only applies per callsign. If you have 4 xmitters

and all 4 ops use their own callsigns while on the air, that's great! The idea is that a club can put their callsign on the air while other members work fellow FYBO ops with their own calls. Hopefully this will result in more callsigns on the air, and we all get to fill our logbooks. ;-)

So.... Only one callsign per rig at a time please, but by all means set up more than one station! Pumping that key will keep everyone warm. :-)

6) What qualifies as "Alternative power"?

Batteries, solar/wind/hydro, voles on a running wheel, really anything as long as you're not hooked up to the AC power mains.

7) If I turn on the heater after the first hour of the contest, does that invalidate my lowest operating temp? Is it fair?

A: No and Yes, respectively. Safety first! If you need to stay warm, do whatever it takes! There is a bit of a sticking point though. Consider the following situation.

Operator A is at home, snug and warm. During 30 minutes of FYBO he opens the window to the shack and drops his operating temp to 35F to get a better multi, then closes the window and cranks up the heat again.

Operator B is a diehard winter camper. She sets up in a snowcave and spends all FYBO at 35F.

Operator C is also in the Field, on a rare sunny winter's day. The WX begins to deteriorate, and in 30 minutes the temp drops to 35F. Our hero decides to play it safe, goes QRT and heads home.

Now, all three ops end up with the same Temp Multi. Is it fair? I don't have the answer, and everyone who reads the above will come to different conclusions.

The bottom line is that FYBO is all about FUN! Yes, F-U-N! You shouldn't have to stress over such minutiae. Let your conscience be your guide. Be safe and have fun. Operate in whatever manner makes that possible for you.

8) Where can I get more information on FYBO?

A: Send email to Joe (AB7TT) at vole@primenet.com, or visit
<www.dancris.com/~ki7mn> and look under Contests. We sure hope
to hear you out there!

Date: Tue, 6 Jan 1998 00:26:26 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [149] MCM Flyer - Phone No.
Message-ID: <85256584.001DBFAD.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Oops. Forgot the phone number if someone wants to order -- 800-543-4330.

Watson/WB4EXW

Date: Mon, 5 Jan 1998 21:27:21 -0800
From: "R. Wilkerson" <richqrp@home.com>
To: "'70511.3041@compuserve.com'" <70511.3041@compuserve.com>, Low Power Amateur
Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150] RE: Big Black Hole
Message-ID: <01BD1A20.B567DB40@cx55215-a.elcjin1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Same here in So. Cal. Only 4 contacts and they were hard to come by. =
40 was just too noisy here, had to try 80 and the noise was still bad.

Still had fun though 72's rich
=20

Date: Tue, 06 Jan 1998 01:29:31 -0500
From: "Dan L. Evans" <dlevans@hsonline.net>
To: qrp-l@Lehigh.EDU

Subject: [151] inactive clubs

Message-ID: <3.0.1.16.19980106012931.2a0f6f98@mail.hsonline.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>I agree, and would like to add that QRP clubs, as well as organizations such
>as FISTS, seem to be in high-growth mode. Local clubs, OTOH, seem to be
>stagnating and dying. Our local club has almost 200 members, yet it's hard
>to get more than a small group involved in any activity. Attendance averages
>20-30 at the monthly meetings, especially with a good program.

>

>Field Day, though, seems to bring everyone out. We had 31 ops/loggers in
>1997,

>and 1998 promises an even better turnout.

>

>72 de Jim - AD6CW

Hi Jim,

Our local club is about the same size as yours, but our activity is even less. We're lucky to get a dozen at the monthly meetings. The weekly 2m net has gotten so small that we often just drop it. And for field day 2 years ago, we had a few people come and go, but there was really only 2 of us that "participated". And, last year it was dropped for lack of interest.

The obvious question here should be "what am I" as a member of the club, doing to change this??" I have been try to 'pull' people in to various activities. Many of the local hams here are very 'anti-contest', so that hasn't caught on very well. I have had some success promoting weak signal VHF. And I'm still trying! I'll push for any activity, just to get people 'active'! Quite honestly, what I'm aiming at is organizing a whole new club with what people I can get interested. Then maybe as the "others" start seeing how much fun we're having, they'll pitch in.

And I am going to participate in Field Day this year if I have to go out and set up all by myself!!

hmmm, might even be better that way!

72/73 de Dan, N9RLA

Dan L. Evans [N9RLA]

72/73 from...EM78

QRP MOBILE CONTESTOR!!!

CQ_DE_dlevans@hsonline.net

Remove the cq_de_ to email me, I hate SPAM!

Date: Tue, 06 Jan 1998 01:43:46 -0500
From: "Dan L. Evans" <dlevans@hsonline.net>
To: qrp-l@Lehigh.EDU
Subject: [152] Re: FYB0 question\critters
Message-ID: <3.0.1.16.19980106014346.2a0fb358@mail.hsonline.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>In fact if your station is Rodent-Powered, I'll
>personally kick in a special bonus. :) And if
>it's Rodent-Operated... :-)
>
>
>
>Cheers de AB7TT,
>
Do badgers count???

Dan

Dan L. Evans [N9RLA]
72/73 from...EM78
QRP MOBILE CONTESTOR!!!
CQ_DE_dlevans@hsonline.net

Remove the cq_de_ to email me, I hate SPAM!

Date: Tue, 06 Jan 1998 02:01:54 -0800
From: "Floyd Soo, W8RO" <hires@rust.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [153] Active Club!
Message-ID: <34B20111.3153@rust.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK! One of my favorite subjects! The Utica Shelby Emergency Communications Assn, better known as USECA is the largest and most active club in the Detroit Metro area. For the 3 terms that I served as Prez, we had between 200 and 240 members. Our monthly club meetings bring 60 to 80 members in (and sometimes more!). Our philosophy has always been to welcome ANYONE that has an interest in ham radio to ANY of our events! On our local nets, we invite the scanner listeners to our meetings and parties! Some end up coming and some have even joined the club and become hams! We have a large cross section of women and children in the club too! If you remember correctly, a couple of years ago you saw my beautiful VP, Ann (KG8IF) in QST as one of the ops in our 15 CW station at Field Day. And while we are on the subject of FD, did I tell you that we finished in the top 10 overall for the past 4 years!? The last 2 years we ran QRP-battery, and placed 4th and 5th overall! We ran 16A or 17A and just had a ball! Our Pre-FD picnics are 5A to 7A! The club gets together at camp-outs, boating events, walk-a-thons, bicycle rides, flea markets, cruise nights, etc. In other words, we are a social club! We mix every type of activity we can with ham radio. We invite the whole family. We even invite other clubs to join in! That is why we can run the largest FD operation in NA! That is why we have enough operators, loggers, cooks, dish washers, tour guides, baby sitters, etc to pull off our events! That is why we have ALWAYS provided pork roasts, steaks, etc to all visitors to our FD!

Know what? When the Board Members of several of the oldest clubs in Detroit contacted me to ask me what made our club so much more successful than the rest, I told them our secret! It is what I just outlined above! Irregardless of gender, license class, what part of town you live in, what kind of car you drive, age, etc.; we invited everybody! We encouraged the Tech lites to upgrade, but never spoke down to any that weren't interested. Instead, the ones that studied the CW told all the others how much fun it was, and all of a sudden, it was in vogue to show up at our CW classes and nets!

I can on and on and on! Suffice to say, if your club does nothing but ham radio, it'll be boring. If your club doesn't like CBers, Scanner listeners, SWLs, or Tech Lites, you'll not grow. If your club doesn't combine food with ham radio, it'll not grow that way either! If your club dosen't help with community events, it'll not get any local support. The club's gotta have a personality! EVERYONE has to have fun, even the families of the hams that aren't really interested in the hobby!

I invite anyone of you to visit us in the Detroit area and see for

yourself! Chuck, K5FO, has met some of our members, and I will gamble that they made a positive impression on him! (Gulp!)

--

72,

Floyd Soo, W8RO

President, HI-RES Communications, Inc.

Past President, USECA

Net Manager and Board Member, Collins Collectors Association (#002)

QRP-L #392

hires@rust.net

<http://www.rust.net/~hires>

Date: Tue, 6 Jan 1998 00:15:28 +0000

From: Leon Heller <leon@lfheller.demon.co.uk>

To: markem@primenet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [154] Re: Radio Shack = Radio Spares?

Message-ID: <MilHOEAgeXs0Ew6c@lfheller.demon.co.uk>

MIME-Version: 1.0

In message <3.0.1.32.19980104114151.0098eae0@pop.primenet.com>, "M.

Monninger" <markem@primenet.com> writes

>At 02:13 PM 1/4/98 +0200, Arjen Raateland, FEI/Impacts Research wrote:

>> ...

>>There is a local enterprise that cooperates with a foreign company

>>using the name RS (logo is RS in red squarish letters). I've heard it

>>is Radio Spares from the UK. Is this the same as Radio Shack?

>> ...

>

>I don't think they're the same outfit. As I remember from when we lived in

>Scotland, Radio Shack is known as Tandy in the UK. Radio Spares is a

>completely different entity.

>

>Mark AA7TA

>

>

RS Components used to be Radiospares, some years ago. RS and Farnell are the two largest component suppliers in the UK. RS has a subsidiary, Electromail, who supply the same components to non-trade purchasers, like hobbyists.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system - schematic and software.

Date: Tue, 6 Jan 1998 02:18:24 +0000
From: cmos@mail.microserve.net
To: qrp-1@Lehigh.EDU
Subject: [155] Re: Source for HP-48
Message-ID: <TCPSMTP_GEN.359.2133@208.210.71.153>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> >Date: Mon, 05 Jan 1998 21:44:14
> >To: qrp-1@lehghih.edu
> >From: Roger Braker <msebrakr@telepath.com>
> >Subject: Source for HP-48
> >
> >Hi guys,
> >Now I know what an HP-48 is, where do you get them. Best Buy obviously
> doesn't sell them... ho ho (and no I don't buy coax there either):-). TNX
> >
I ordered mine from a place called EduCalc.
there web page is at:
<http://www.educalc.com/>

The cost is:
hp-48G = 100\$
hp-48GX = 210\$

That is down from when I bought mine over 4 years ago,
it cost almost 300\$ for my GX.

Jim Martz,

#####

Cmos@microserve.net
http://WWW.PCT.EDU/homepage/student/marjam55/

Date: Tue, 6 Jan 1998 02:31:30 +0000
From: cmos@mail.microserve.net
To: qrp-1@Lehigh.EDU
Subject: [156] Re: hp-48
Message-ID: <TCPSMTP_GEN.17628.198@208.210.71.153>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>
> Can the HP-48 do symbolic logic (ie will it bomb if I try to find the
> result of $2B \times 2B$ or will it return $4B \times 2$?)
>
> I recently bought a TI 86 and was quite disappointed to find out that
> there was no symbolic logic capability.
>

Yes, it can do symbolic calculations and solve symbolic problems.
But, like the other calculators, like the ti-92 and also computer
programs like Mathcad. If the problem is not a simple problem
you can get a large complicated symbolic answer, that if you did
by hand would come out in alot simpler form. Like come up with
a symbolic answer that is a screen long and if you did it my hand
it mite some out as $4 \times (\pi)$. But that is something all syimbolic
proseccors do, calculator or computer, some are just better
then others.

Jim Martz,

#####

Cmos@microserve.net
http://WWW.PCT.EDU/homepage/student/marjam55/

Date: Mon, 5 Jan 1998 23:12:55 +0000
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: k9lj@iname.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157] Re: Is the listserver broken??
Message-ID: <ZXN5ZBA3jWs0EwKZ@gqrpclub.demon.co.uk>
MIME-Version: 1.0

In message <34B0440D.D17246D1@iname.com>, "Roger Whitaker [K9LJB]"
<k9lj@iname.com> writes
>I haven't received anything since Nil's posting this morning. I've never
>"heard" it this quiet!
>
>--
>Roger B. Whitaker K9LJB QRP-L # 1403
>
>"Madness takes its toll. Please have exact change."
>
>Home page: <http://www.cityscape.net/~whitaker/>
>
>
>
You are unlucky (?lucky) as I have received several messages from qrp-l
in duplicate today... funny thing these computers!
--

Frank G3YCC GQRP 042
QRP Web Page: <http://www.gqrpclub.demon.co.uk>
Packet: G3YCC@GB7HUL

Date: Mon, 5 Jan 1998 23:32:19 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-l@Lehigh.EDU
Subject: [158] MI-QRP Log
Message-ID: <v03007800b0d7175a91eb@[204.119.15.90]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Band was good on Saturday afternoon but pretty stinko on Sunday...
Worked a total of about 3 hours on the two days and had a lot of fun...
Next time I won't split my time between two contests... All QSO's were made
on 20M using 4.95 Watts output to a 3 element tri-bander at 60 feet...
Thanks to those I was able to work and if you see any errors let me know...

3 JAN '98

TIME	CALL	S/R	ST	PW	MI#
2248	N4BP	559/599	FL	5W	
2251	K0EVZ	559/599	MN	5W	
2300	WE6W	559/599	CA	5W	
2301	WZ2T	229/229	NY	1W	
2308	KJ7NS	559/539	WA	5W	
2321	AC8W	559/569	MI	5W	255
2331	AB7TK	559/549	IL	5W	
2338	N0UR	559/559	MN	--	719
2342	N4ROA	559/559	VA	--	1248
2358	K5ZTY	559/559	TX	--	1472

4 JAN '98

0002	WB4EXW	559/559	NC	5W	
0005	KU7Y	559/559	NV	--	1606
0010	KT4XE	559/559	GA	70W	
0014	WA8HQO	559/559	OH	--	1088
0024	K6LTS	559/589	CA	2W	
0040	K4NK	559/559	SC	--	229
1853	W8BD	559/559	OH	--	1259
1858	W9YYG	559/559	IL	--	1414
1907	W0PFG	559/429	KS	40W	

19 QSO's / 15 States / 9 MI-QRP Members

72 / 73 / oo's - Bruce - KL7JAF

Web Page: <http://www2.polarnet.com/~bhopskins>

"Alaska QRP Club" - Web Page: <http://www2.polarnet.com/~bhopskins/akqrp>

Date: Tue, 6 Jan 1998 00:30:09 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-1@Lehigh.EDU
Subject: [159] ARRL RTTY Roundup Stats...
Message-ID: <v03007802b0d7287397af@[204.119.15.222]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Here are the stats for my ARRL RTTY Roundup operation over the weekend... All QSO's were on 20 meters using 4.95 watts output as measured on the WM-1 to a 3 element tri-bander at 60 feet... I won't bore you with the blow by blow log of the event but just the stats...

Rig: TS-450s @ 4.95 watts out
500hz filter

Demodulator: AEA PK-232MBX

Ant: Mosley TA-33 @ 60'

Confuser: Macintosh PPC 7500/100

STATES: 23

MT IL CA PA WA OR SD SC AR DE OH NJ
FL MN NC NY WI TN ME MD OK MO TX

PROVINCES: 3

AB BC ON

DXCC: 10

RA0 YU7 EA5 HA2 DJ5 HB9 OK1 I2 OT8 S55

Take care and have fun...

72 / 73 / oo's - Bruce - KL7JAF

Web Page: <http://www2.polarnet.com/~bhopkins>

"Alaska QRP Club" - Web Page: <http://www2.polarnet.com/~bhopkins/akqrp>

Date: Tue, 6 Jan 1998 09:05:35 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [160] Micrometals toroidal core spreadsheet
Message-ID: <WaKBwAFpfs0Ewbl@lfheller.demon.co.uk>
MIME-Version: 1.0

I've put all the Micrometals toroidal core data into a Quattro spreadsheet, together with the formulae. It's a very good way to design coils using these cores. It won't take long to do this for yourself, but if anyone would like a copy, please let me know. I can export an Excel or 123 version.

73, Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system - schematic and software.

Date: Tue, 06 Jan 1998 05:09:00 -0500
From: mikemo@ibm.net
To: qrp <qrp-l@Lehigh.EDU>
Subject: [161] portable receiver
Message-ID: <34B202BC.1852@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have any recommendations for a portable receiver that covers the ham bands and can detect cw and ssb (BF0?).

Went to radio shack and it appears that the units they had were am/fm only. I want something to take on the road with me.

Thanks and 72
de kf4trd
Mike Maiorana

Date: Tue, 6 Jan 1998 05:26:44 -0600
From: "William R. Moore" <wr.moore@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [162] Re: Big Black Hole
Message-ID: <01bd1a95\$f81029a0\$6911430c@wrmoorerpc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Same from N. Alabama. Was only on 40, but heard only 2 stations (W6ZH and AB7QU), neither of which heard me. I believe W6SU tried to answer my CQ, but I never got the exchange completed. All these signals were just at or above the noise level, which wasn't very high here. Also heard the "S" beacon at about the same, S1-2, signal strength.

72, Randy, KS4L

Date: Tue, 6 Jan 1998 06:33:43 -0500
From: wb8ygg@juno.com (Bradley S. Mitchell)
To: leon@lfheller.demon.co.uk
Cc: qrp-1@Lehigh.EDU
Subject: [163] Re: Micrometals toroidal core spreadsheet
Message-ID: <19980106.063413.7110.0.WB8YGG@juno.com>

Hi Leon,
Sounds great to me.
I would like a copy.
If you can export eo excel, and e-mail to embres@frontiernet.net

73 Brad WB8YGG

On Tue, 6 Jan 1998 09:05:35 +0000 Leon Heller <leon@lfheller.demon.co.uk> writes:
>I've put all the Micrometals toroidal core data into a Quattro
>spreadsheet, together with the formulae. It's a very good way to

>design
>coils using these cores. It won't take long to do this for yourself,
>but
>if anyone would like a copy, please let me know. I can export an Excel
>or 123 version.
>
>73, Leon
>--
>Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
>Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
>See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
>DDS system - schematic and software.
>
>
>

Date: Tue, 06 Jan 1998 06:33:53 EST
From: kf2ew@juno.com (David M Kopacki, Sr.)
To: lobar@doitnow.com
Cc: qrp-1@Lehigh.EDU
Subject: [164] Re: AT11 mods/question
Message-ID: <19980106.061222.24055.0.kf2ew@juno.com>

Hi, James. I am finishing up the final touches on my QRP AT-11. I have made several mods and will be looking at one more. I will email the results when I'm finished!

Mike Kopacki, KF2EW

On Sun, 4 Jan 1998 21:21:29 -0700 (MST) "James R.Sharp"
<lobar@doitnow.com> writes:

>Hi all,
>
>1.) Would like to hear from you AT11 owners that have modified the
>AT11 auto
>tuner. I'll compile a list and make it available to everyone.
>
>2.) I am using 100 feet of 450ohm ladder line to a 200 foot horizontal
>loop.
>I'm using the LDG balun at the AT11 tuner. QUESTION: Should I expect
>the
>AT11 to tune this antenna below 40 meters? It won't!
>
>The 200 feet is what fits my geography!
>

>Thanks in advance. 72 dit dit
>#####
>##### "He who would trade liberty for security #####
>##### deserves neither!" #####
>##### Benjamin Franklin #####
>##### ++++++ #####
>##### Jim Sharp KC7GHP from Peoria, Az #####
>##### #####
>##### TS140--NCG72150--AT11--Inverted shortened #####
>##### wire Vee, homebrew 5/8 6m verticle--- RC #####
>##### flying---sailing, bicycling---Grandfather #####
>##### x 2---average IQ---etc. etc. #####
>#####
>lobar@doitnow.com
>
>
>

Date: Tue, 6 Jan 1998 07:26:24 +0500 (GMT-5)
From: Jim Osburn <wd9eyb@butler.qrp.com>
To: qrp-l@Lehigh.EDU
Subject: [165] Finished Ten-Tec T-Kit 1340
Message-ID: <199801060226.HAA05593@butler.qrp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Over the holidays I finished my Ten-Tec T-Kit 1340.
It's a good rig. I have nothing unusual to report.
My kit had a double sided PTH PCB.

So far I have worked Ohio, Michigan, and New Jersey with it.
Saturday night I tried to work Italy, but I didn't try hard enough.

I like my new QRP rig.

73 es CUL de WD9EYB K

Jim Osburn, WD9EYB
wd9eyb@indiana.net

Date: Tue, 6 Jan 1998 04:31:12 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166] Re: portable receiver
Message-ID: <Pine.SUN.3.91.980106042733.5895A-1000000@crl10.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 6 Jan 1998 mikemo@ibm.net wrote:

> Does anyone have any recommendations for a portable receiver that covers
> the ham bands and can detect cw and ssb (BF0?).
>

I have a SONY ICF-SW7600 that works very well. I believe AES has the current version of this receiver. Very stable, works on AM/FM/CW/SSB runs on batteries or AC adapter. Seems to take rough treatment, I have dropped it a couple of times with no ill effect. Has provisions for external antenna, comes with headset. Small size about 1" x 5" x7".

de stan ak0b

Date: Tue, 06 Jan 1998 20:56:55 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [167] Unbalanced Dipoles?
Message-ID: <34b22a17.pandora@pandora.lugs.org.sg>

Hi,

I am thinking of putting up a dipole but one which is basically unbalanced. Ie. the ground side of the leg is going to be somewhat longer than the ungrounded side. Anyone have any ideas how well this is going to work? How should I cut this? Do I consider the total length? Or is there some formula to follow? Thanks.

73 de 9V1ZV Daniel

--

+-----+-----+-----+-----+

```
| Daniel Wee | daniel@pandora.lugs.org.sg |  
| 9V1ZV | |  
| QRP-L #667 | 9V1ZV@amsat.org |  
+-----+
```

Date: Tue, 06 Jan 1998 07:19:33 -0600
From: Bill Myers <bjmyers@arc.net>
To: 70511.3041@compuserve.com, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [168] Re: Still FS:QRP Gear
Message-ID: <3.0.5.32.19980106071933.007b45a0@mail.arc.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:21 AM 1/2/98 -0500, Wilford D. Lindsey wrote:

>1. MFJ-418 Morse Code Tutor. Excellent condition, complete with manual.
>\$60.00.

Doc...

Is this still for sale or am I too late?

If still available, would you accept a personal check or do you prefer a
money order?

72

--
Bill Myers KK4KF Grid - EM60rk
FISTS QRP-L ARCI scQRPions CQC NE AK/QRP NorCAL
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://www.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
AT <http://www.fists.org>

Date: Tue, 06 Jan 1998 08:37:32 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: Jesse T Royall <kc5los@juno.com>

Cc: qrp-1@Lehigh.EDU
Subject: [169] Re: hp-48
Message-ID: <34B2339C.542B@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jesse T Royall wrote:

>

> I don't understand symbolic logic?? or what it would be for...

Well...

I was trying to use the calculator to find combined products for a vector statics problem. When I loaded symbolic values (Ex, Ey, Ez) into the first row of cross product matrix, the calculator blew up. The calculator itself will do cross products but you need to use a special function. Alternatively, you could set up a matrix and just load one's into the unit vector row.

I also wanted to be able to calculate centroids and moments directly. Thwe calculator will only handle one variable at a time. It won't express one unknown in terms of a second unknown. For some reason, I expected a \$120 calculator to have this capability.

Silly me.

Date: Tue, 6 Jan 1998 09:42:15 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [170] Re: FYBO question
Message-ID: <Pine.LNX.3.93.980106093903.674A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 5 Jan 1998, Joe Gervais wrote:

> personally kick in a special bonus. :) And if it's Rodent-Operated... :-)

Well if the opinions of X-XYL's are factored in...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

Date: Tue, 06 Jan 1998 08:40:43 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: Blackpug1@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [171] Re: WTB: Tandy Model 100
Message-ID: <34B2345B.1BCE@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Blackpug1 wrote:

>
> I've got a qrp project I'm thinking about that might involve a portable
> computer like a Tandy Model 100. Anybody got one for sale? Anyone know of
> any web sites or places where I can get some leads on one?
>
> Thanks for the help.
>
> Mike
> KBORIA
>
> "Here in SOUTH Dakota!"

Blackpug1 wrote:

>
> I've got a qrp project I'm thinking about that might involve a portable
> computer like a Tandy Model 100. Anybody got one for sale? Anyone know of
> any web sites or places where I can get some leads on one?
Try this for starters

<http://dillernet.com/m100/pages/comp/m100/m100Main.html>

Date: Tue, 6 Jan 1998 07:01:43 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: wr.moore@worldnet.att.net (William R. Moore)
Cc: qrp-l@Lehigh.EDU
Subject: [172] Re: FYBO Winter QRP Field Day
Message-ID: <199801061401.HAA04327@usr09.primenet.com>
Content-Type: text

(copy sent to QRP-L)

Howdy again Randy,

Randy (KS4L) wrote:

>

> Joe, I do have another question regarding multi-op. I have a buddy
> (non-ham) who is interested in coming along to help do my logging. Does
> that make me multi-op? Is that legal/fair?

A non-ham? Naw, we'll just count that as QRP
Promotion on your part. :-) And yes, very fair.
Besides, figure a non-ham doing your logging is
clearly more of a benefit to him/her than to you. :)
Sure hope you get them hooked!

I'll add that to the FAQ. Thanks!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Ricola!" -- Pinky and the Brain

Date: Tue, 6 Jan 1998 09:01:54 -0500
From: "Craig Lund" <clund@bestweb.net>
To: <qrp-1@Lehigh.EDU>
Subject: [173] WTB QRP Wattmeter
Message-ID: <199801061406.JAA16390@miro.bestweb.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello, All:

I am on the lookout for a QRP Wattmeter. I would also consider a kit if
anyone knows of one available.

Please Email me at:

clund@bestweb.net

73's

Craig

Date: Tue, 06 Jan 1998 07:08:25 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>, vole@primenet.com
Subject: [174] warming up for FYBO
Message-ID: <34B23AD9.4574@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Joe...I've been up to my secret FYBO site twice now...first time I forgot my battery....2nd time forgot the power cord for the battery! But not to be out smarted by myself. I trimmed my 20m dipole for some battery jumpers! I'm remaking a new checklist currently. But other than the site being under 4' snow and a half a day's work to get to...it looks good...2000' drop-off to the east, south and southwest...maybe enough snow to build a cave...hmmmm...starting to get in the mood for this FYBO thing!

--

CUL Steve/n0tu . .
Solar powered QRP/CW
"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Mon, 05 Jan 1998 19:42:12 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: aplitech@spacestar.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [175] Re: IC-730 qrp mod
Message-ID: <34B18BF4.A08AFB60@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Claton, I found my manual, and you want to adjust R149 to set the "10 watt" output power level.

With the top cover removed and the dial facing you, R149 is the pot immediately behind the small white 4-pin connector about 40% of the way over from the right side. The pot to the immediate right of that connector is R151, which sets the "50 watt" level. (This sets the max power output for AM operation.) Immediately to the right of R151 is R150 which sets the "100 watt" level.

All this is shown in Fig. 7 - 1 on page 23 of the manual.

Hope this helps!

--

73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Tue, 06 Jan 1998 09:27:35 -0500 (EST)
From: jeverhar@camden.lmco.com
To: qrp-l@Lehigh.EDU
Cc: pharden@aoc.nrao.edu
Subject: [176] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
Message-ID: <9801061427.AA21707@train11.CAMDEN.LMCO.COM>

Paul, you wrote:

>CAPACITANCE vs. VOLTAGE for some common diodes.

>

>The QRP-L thread on "what's the capacitance of a 1N4004," etc. made
>me take the following measurements only moments ago. It is based on
>a sample of one, but from experience, the 1N4000's and the 1N5232 is
>very close to previous usage. See notes below.

<SNIP>

>-----
>VOLT. 1N4001 1N4003 1N4004 1N4006 1N4007 1N4148 1N5232
>-----
>0.00v 28.5pF 34 36 20 19.5 2 126pF
>.25v 23 27 29 15.5 15.5 3 112
>.50 20 23.5 25 13.5 13.5 5 104
>.75 18 21.5 22 12 12.5 6 96
>1.00v 16.5 19.5 20 11 12 8 92
>1.50 15 17 17.5 10 10.5 12 84
>2.00 13.5 15.5 15.5 9 9.5 16 78

>2.50	12.5	14.0	14.0	8.5	9	32	73
>3.00	11.5	13.0	13.0	8	8.5	50	69
>3.50	11	12.5	12	7.5	8.5	72	66
>4.00v	10.5	12.0	11.5	7.0	8.0	98	64

>-----

<MORE SNIP>

Good stuff! How about measuring some ohter zeners, too - like the ones commonly used as protection on qrp transmitter output stages.

There was an article in Ham Radio magazine some years ago with a similar table of capacitance values for other diodes. I may be able to resurrect it from the archives (big pile o' mags) without too much trouble.

BTW, one small nit - I suspect that the data in the 1N4148 column is in reverse order, or you have one strange diode! :-)

72/73,

Joe E., N2CX

work: jeverhar@camden.lmco.com
home: n2cx@voicenet.com

Date: Tue, 6 Jan 1998 14:37:51 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: jeverhar@camden.lmco.com
Cc: qrp-l@Lehigh.EDU, pharden@aoc.nrao.edu
Subject: [177] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
Message-ID: <199801061437.0AA19474@chuck.dallas.sgi.com>

Joe and Paul et.al.,

The charts and the discussion on the diodes is great stuff.

So since Joe brought up a request for another measurement, let me add one. The capacitance range is important to determine just how far you can move the VFO or RIT frequencies. How about some real life drift factors, i.e. use a diode as a variable cap but note if there are any physical effects caused by heating and just how much? My first suspects would be the 1N4148 and 1N5232 just due to the fact that they have a large range in C.

Inquiring minds just gotta know.

FYI

Chuck Adams K5FO CP-60

<http://reality.sgi.com/adams> adams@sgi.com

Date: Tue, 6 Jan 1998 09:42:56 EST
From: KB9RPD <KB9RPD@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [178] Operating in Canada
Message-ID: <d626dc19.34b242f2@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I appreciate the assistance everyone gave me. There were several conflicting emails I received. I spent a few hours online last evening to further explore my question. I did find an answer and thought I would relay that information here so it may be of help to anyone else.

This is from the RAC - Radio Amateurs of Canada
(If I understand correctly, they are the ARRL equiv. in Canada).

Canada - United States Reciprocal Agreement

Canada and the United States have signed a reciprocal amateur radio agreement. In the terms of the agreement, amateurs may operate in the host country in accordance with the rules and regulations of the host country and in accordance with the terms and conditions of the amateur licence issued by the amateur's country.

Briefly, this means that visiting amateurs must obey the rules of the host country and the licence conditions of the country which issued their licence.

There is no need for paperwork or other formalities when exchanging visits between Canada and the United States.

Under the terms of the agreement, the visitor should give his or her call sign and location, e.g. VE3FRS/W9 or N9CFX/VE3. However, it is unlikely that anyone would complain if the form VE3/N9CFX were used.

A copy of the regulations of Canada is available from Industry Canada.

Industry Canada documents pertaining to Amateur radio
are also available from the ARAS/SARA web site.
(<http://www.aras-sara.ca/>)

Industry Canada Regional Office Addresses:

New Brunswick and Prince Edward Island
Industry Canada
Unit 103, 4th Floor 1045 Main Street
PO Box 5090
Moncton, New Brunswick
E1C 1H1

Quebec
Industry Canada
'Room 620, Stock Exchange Tower
800 Square Victoria
PO Box 398
Montreal, Quebec
H4Z 1J2
Manitoba, Saskatchewan, Alberta and Northwest Territories

Industry Canada
Room 200, 386 Broadway Avenue
Winnipeg, Manitoba
R3C 3Y9

Ontario
Industry Canada
9th Floor, 55 St. Claire Avenue East
Toronto, Ontario
M4T 1M2

British Columbia and the Yukon
Industry Canada
Room 318, 816 Government Street
Victoria, British Columbia
V8W 1W9

Date: Tue, 06 Jan 1998 09:53:35 EST
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-1@Lehigh.EDU
Subject: [179] Mi. Test.....QQ.....N4BP, give him a break!
Message-ID: <19980106.084730.5095.1.ab5uacw@juno.com>

Morning all,

Had a fun time in the Mi. test, but deleted the scoring criteria. Could someone please send it to me?

Received the new QQ, and it's great. Thanks Ron et all for a supper job. It was neat to see that Joe, AB7TT, is the new assistant editor. Joe keeps things interesting, and always makes me grin :-).

I hear lots of folks complain about BP not hearing them. Get on his frequency, and he WILL hear you. Bob is the one contact I can count on, every contest. And as far as running a recording, I think not. Not his style. Off the soap box.

72 to all,

Clif

Clifton Sikes AB5UA QRP-L #478
Earlsboro, Ok.
ab5uacw@juno.com

Date: Tue, 6 Jan 1998 10:08:45 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: "Floyd Soo, W8RO" <hires@rust.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [180] Re: Active Club!
Message-ID: <Pine.OSF.3.95.980106082540.30817A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 6 Jan 1998, Floyd Soo, W8RO wrote:
> OK! One of my favorite subjects! The Utica Shelby Emergency
> Communications Assn, better known as USECA is the largest and most
> active club in the Detroit Metro area... <snip>

Floyd's post may sound excitable, but let me assure you - he is being MODEST.

I "belong" to a couple clubs in metro Detroit but because I live so far away from the activity centers, I rarely get the chance to attend meetings. The only contact I get with the clubs is generally just on the

2M repeaters. There is no contest - the USECA repeater always has someone to talk to to. The other repeater simply doesn't have much activity.

The complaint the "old club" (USECA is relatively new at 10 years) had about USECA was that it was made up of a bunch of ex-CBers and they were all appliance operators. Well guess what - at least these hams get on the air.

Incredibly, the January newsletter from the "old club" has an article about how the club should NOT get an internet Web Page because the internet is a "competitor" to HAM RADIO.

Thought you guys would get a chuckle out of that - you all are to blame for the downfall of ham radio.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics

www.acs.oakland.edu/~prvalko

Date: Tue, 06 Jan 1998 08:28:21 -0700
From: Niel Skousen <nskousen@scientech.com>
To: qrp-l@Lehigh.EDU
Subject: [181] RF-1 'manual'
Message-ID: <3.0.3.32.19980106082821.007c0ba0@eaglerock.if.scientech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Oops, can't find my RF-1 instructions, specifically the calc's for R+jX as a funct(VSWR,Z)... Anybody got the data handy to e.mail me the equation and conditions for validity ?

TNX Niel

------- .- ----- -----
Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG/NUSI
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
nskousen@scientech.com WA7SSA QRP-L.119
Z-----DN33wm--- . . . -

Date: Tue, 06 Jan 1998 10:30:00 -0500
From: jim <kw3u@warwick.net>
To: qrp-1@Lehigh.EDU
Subject: [182] [Fwd: SLB "V" watchers note!]
Message-ID: <34B24DF8.5422@warwick.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----507F2544170"

This is a multi-part message in MIME format.

-----507F2544170
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thought some folks might be interested in this and one other
on the subject.....Jim kw3u

-----507F2544170
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Path: news.warwick.net!uunet!in5.uu.net!news-peer-east.sprintlink.net!news-
peer.sprintlink.net!news.sprintlink.net!Sprint!newsfeed.internetmci.com!
204.57.67.14!newsbuffer.myriad.net!news.myriad.net!usenet
From: mike.luther@ziplog.com
Newsgroups: rec.radio.amateur.dx
Subject: SLB "V" watchers note!
Date: 5 Jan 1998 06:25:22 GMT
Organization: DigiPhone Corporation, Bryan/College Station Texas 409-693-8885
Lines: 30
Message-ID: <68puci\$mqr@news.myriad.net>
Reply-To: mike.luther@ziplog.com
NNTP-Posting-Host: usr02s9.myriad.net
X-Newsreader: IBM NewsReader/2 2.0

Those of you that watch the SLB's off and on might note that it often
takes a LONG time to fix things over in Russia..

The "V" is particularly loud in the Central USA right around this time
of year for wintertime path reasons, but for the last two weeks or so it
is sick! Apparently, a filter capacitor is going out in the power
supply, or AC hum is getting into the oscillator, which we know can be
used for FSK because every now and then they forget to shut it off FSK
just before they bring it up on 7.002....

I've not had a scope to look at it out at my site, but by ear, the hum
modulation on the carrier is about 100CPS. It sounds garbled.

Is Russia on 50 Hz power or 60 Hz power?

I've noted that when what appeared to be a frayed paper tape in the tape keyer was garbaging the "K" beacon up on 7.0401, it took a couple of months to replace or repair it!

It will be interesting to see how long it takes them to fix the instability in the "V". It's been in there for over two weeks now...

:)

//-----

Mike LLuther - W5WQN

Mike.Luther@ziplog.com

Mike.Luther@f3000.n117.z1.fidonet.org

-----507F2544170--

Date: Tue, 6 Jan 1998 07:37:26 -0800 (PST)

From: Monte Stark <ku7y@sage.dri.edu>

To: Clifton W Sikes <ab5uacw@juno.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [183] Re:QQ....Missing Page.....

Message-ID: <Pine.SUN.3.90.980106071633.5113C-1000000@vortex>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 6 Jan 1998, Clifton W Sikes wrote:

****snip much****

> Received the new QQ, and it's great. Thanks Ron et all for a supper job.
> It was neat to see that Joe, AB7TT, is the new assistant editor. Joe
> keeps things interesting, and always makes me grin :-).

Hi Clif,

Thank you from the whole Quarterly Staff for the kind words. I really don't do all that much. It's all the other editors that do most of the work.

About 50% of the magazine comes to me from the other editors already in camera ready form. All I need to do is add the page numbers at the bottom! The rest is in ASCII form and I just import that into MS Publisher and format the text and place the drawings.

And there are the authors who write the articles to send to the editors in the first place!

It really is a team effort and that's why I always like to give thanks from the whole crew!

However, there are things that I alone can do. Like not sending the printer the page that has the figures talked about on page 37!! It's the schematic and parts layout for the LC Tester by W7AAZ. Somehow it got put in the wrong pile during the paste up operation. Can't blame anyone else for that!

If anyone needs that page, send me a large size SASE and I'll get one out to you. Sorry for the trouble.

Lets see.....if I send the copy to Joe to do the paste up, then I could blame him.....HMMMMMMMM :-)

Joe did some of the conversion from ASCII raw e-mailed text to the next stage, spelling and grammer checked! For those of you who have never done something like this, it's a real challenge! Joe is working hard to become my back up in case anything happens to me!

Each team member brings skills to the table. It's my job (and one that Joe is learning) to make it all come out together. When we hear nice words from the readers it makes us feel good!!

And we are also always open to suggestions on how to make it even better. Feel free to contact anyone on the back page anytime you like.

Thanks again,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 6 Jan 1998 10:36:06 EST
From: SNickrand <SNickrand@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [184] Help pls: Low power FM Broadcast equip/laws/etc
Message-ID: <320f0f7d.34b24f68@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

My church is considering buying a low powered FM (regular broadcast band) xmtr for short-range broadcasting of church services to nearby shut-ins. We currently have available to us the low-end Ramseys kit which is ok but doesn't do music very well. We are considering the higher end Ramsey kit, which claims better freq. stability. Here are my questions:

1. Is it legal to do this? If so, what are power limits? Are there any other limits, such as proximity to other stations?
2. Any recommendations for the equipment? Our current budget for the xmtr is about \$150, although this could be increased if justified.
3. Antenna location would be in the steeple (the highest, "invisible" locale available). Considering a discone-type (ie., a vertical, with radials pointing downward, 45 degrees off of horizontal). Any suggestions for better arrangement?

Thank you, in advance, and God bless. Bill Nickrand, KB9KOL

Date: Tue, 06 Jan 1998 10:30:28 -0500
From: jim <kw3u@warwick.net>
To: qrp-1@Lehigh.EDU
Subject: [185] [Fwd: Re: SLB "V" watchers note!]
Message-ID: <34B24E14.7CD9@warwick.net>
MIME-Version: 1.0
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Path: news.warwick.net!uunet!in2.uu.net!newsfeed.internetmci.com!205.216.82.6!
newsfeed.datasync.com!news.datasync.com!not-for-mail
From: rocker@datasync.com (Ray Rocker)
Newsgroups: rec.radio.amateur.dx
Subject: Re: SLB "V" watchers note!
Date: 5 Jan 1998 13:42:49 -0600
Organization: Datasync Internet

Lines: 20

Message-ID: <68rd3p\$omj\$1@osh1.datasync.com>

References: <68puci\$mqr@news.myriad.net> <34B128CA.7D04@aa6g.org>

NNTP-Posting-Host: osh1.datasync.com

In article <34B128CA.7D04@aa6g.org>, Chuck Vaughn <aa6g@aa6g.org> wrote:
>W6TSQ, who was longtime 80 and 40m DXer believed the "V" transmitter
>was located in UA9 or UL7 (Kazakhstan). His observations were based on
>years of comparing stations worked to hearing the "V". The beamheading
>is certainly correct as it peaks near 345 degrees from here which puts
>it on a line right through that area.

According to Monitoring Times, July 1997, p. 35 in the Utility World
column, the SLHFBs have been confirmed as being operated by the
Russian Navy. The locations are reportedly:

C Moscow
F Vladivostok
L St Petersburg
P Kaliningrad
R Ustinov
S Archangelsk
V Tashkent

-- Ray WQ5L rocker@datasync.com

Date: Tue, 06 Jan 1998 10:17:49 -0600
From: aa0qx <aa0qx@prodigy.net>
To: qrp-l@Lehigh.EDU
Subject: [186] NE612
Message-ID: <34B2592C.445F@prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was building my 38 Special -- Yes, I know, I've taken a long time to
get started, but that's life. Anyway, I messed up one of the NE612
chips. I can't find any in Oklahoma City. Can anyone tell me where to
get them? Especially in small quantities?

Thanks,

72 de Austin NE50

Date: Tue, 6 Jan 1998 09:24:27 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [187] Re: inactive clubs
Message-ID: <199801061624.JAA24978@usr08.primenet.com>

Howdy Folks,

Dan, N9RLA) wrote:

>
> Our local club is about the same size as yours, but our activity is
> even less. We're lucky to get a dozen at the monthly meetings. The
> weekly 2m net has gotten so small that we often just drop it. And
> for field day 2 years ago, we had a few people come and go, but there
> was really only 2 of us that "participated". And, last year it was
> dropped for lack of interest.

Just my personal ramblings for your perusal. :)

First off let me say that the best way to keep a club thriving is to have everyone looking forward to seeing each other, i.e. everyone's friends with one another!

There are two surefire ways to kill a club, IMHO.

1) Death By Procedure and 2) The Good Ol' Boy Syndrome. Over time both of these lead to "Fun Rot" for the Average Joe Ham - all the fun was drained from the dwindling clubs years ago.

Death By Procedure

You know how it goes, the first hour of the meeting is spent getting status reports from the Repeater Committee, the Field Day Committee, the We Wanted Something On Our Resume' And Hear Ourselves Talk Committee, etc. *yawn* Some of these are so dry and painful they'd be banned by the Geneva Convention if the audience was full of POWs! Meetings like this are painful enough at the office, and at least at work you're getting *paid* to endure it!

Now during that whole meeting, how many spontaneous

smiles were produced? What gave the Average Joe Ham any reason to come back next month? In other words, WHERE WAS THE FUN?!?

When the Arizona ScQRPions first gathered in the Fall of 1995, eight of us showed up to a Denny's. We all decided that this new NorCal Club (whoever they were ;-)) had the right approach - instead of meetings bogged down with endless stale reports, they had social gatherings. They chatted, showed off their latest projects, learned, laughed, made new friends. No hassles, no bureaucracy. Sounded great to us!

Many of us fledgling ScQRPions had already burned out on the typical club scene and never wanted to experience it again. No officers, no dues, no rules on who can speak when, no elections (though we *have* been known to "volunteer" folks when they stepped off to the bathroom ;-)). It's worked. When we need something done, one or more of us will step forward. When we need money, ScQRPions donate items for club raffles during a "gathering". Most important of all, we do our best to be honest and accommodating with each other. We're friends.

The results? We still manage to get stuff done *and* have fun! "If it ain't fun, you ain't doin' it right!" Words we try to live by. Yes, you need a bit of organization, but not *nearly* as much as you'd think, and NEVER at the expense of everyone's enjoyment!

The Good Ol' Boy Syndrome

C'mon, you've seen it. All the "good ol' boys" over in the corner laughing it up and making decisions, and all the newbies left out in the cold. Often it's not even a conscious decision on anyone's part. In fact it happens naturally. That's why you need to fight so hard against it!

If a new person has taken the time to visit your club, what are *you* doing to make them feel welcome? Why are they going to want to come back? Do you introduce them to everyone? Do you include them in what's going on? Do you ask for their input? The day the "old guard" thinks

only they know enough to make decisions is the day the "old guard" (regardless of how young/old they actually are) should step back and find some perspective again. Besides, new friends are hard to come by in this world. Grab 'em when you can.

Fresh ideas/perspectives are invaluable. If they don't match the spirit/goals of the club, you can toss them out, no harm done. In most cases however, you'll get new ideas that help keep the club alive. And they're free - heck of a bargain. :)

Oh well, guess I've blabbed enough. All opinions are my own, and worth exactly what you paid for them. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the forest with... A HERRING!"

Date: Tue, 6 Jan 1998 08:26:02 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: Niel Skousen <nskousen@scientech.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [188] Re: RF-1 'manual'
Message-ID: <Pine.SUN.3.91.980106082339.7437A-100000@crl4.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Neil might want to dig out your handbook or physics book. I believe you will find Z is equal to the square root of $(R^2 + (\text{sum of } X_L \text{ and } X_C)^2)$. X_L and X_C are complex numbers with makes Z a complex number.
de stan ak0b

On Tue, 6 Jan 1998, Niel Skousen wrote:

> Oops, can't find my RF-1 instructions, specifically the calc's for $R+jX$ as
> a funct(VSWR,Z)... Anybody got the data handy to e.mail me the equation
> and conditions for validity ?

>

> TNX Niel

> ----- -.. . .-- .- --...- -----

> Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG/NUSI
> 208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
> nskousen@scientech.com WA7SSA QRP-L.119
> Z-----DN33wm--- . . . -
>
>

Date: Tue, 06 Jan 1998 09:40:09 -0800
From: Brian Kassel <bkassel@dancris.com>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [189] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
Message-ID: <34B26C79.36F5@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul Harden wrote:

>
> CAPACITANCE vs. VOLTAGE for some common diodes.

Paul and Gangue:

Wow, what an excellant, and very useful post. Folks, get this, keep this print this out, file it, save it to disk.

So Paul: when is volume II of the now famous data book gonna be out ;)

Brian Kassel W5VB0
ARCI # 3623
Phoenix AZ ScQRPions

Date: Tue, 06 Jan 1998 09:45:04 -0800
From: Brian Kassel <bkassel@dancris.com>
To: MichaelN@cycat.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [190] Re: winding toroids
Message-ID: <34B26DA0.71DE@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael Neverdosky wrote:

>
> Old salts will recognize this as a 'net needle'.
> These were used in various sizes and shapes for making and repairing
> fishing nets.
>
> michael N6CHV
>
> w5hir@mail.phoenix.net wrote:
>
> > a SHUTTLE can be made that is very useful in winding toroids.
> > a piece of small diameter plastic about four or five inches long is
> > used to make the shuttle. Each end is notched rather deeply .
> > the guage of wire to be used will dictate the width of notch as well

So Mike, just curious, where can a "non-old-salt" buy one of these?
Not too many fish nets are found here in the desert ;).

--

Brian Kassel W5VB0
ARCI # 3623
Phoenix AZ ScQRPions

Date: Tue, 6 Jan 1998 15:13:55 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [191] Re: portable receiver
Message-ID: <6hB60FAzoks0EwNM@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <34B202BC.1852@ibm.net>, mikemo@ibm.net writes
>Does anyone have any recommendations for a portable receiver that covers
>the ham bands and can detect cw and ssb (BF0?).
>
>Went to radio shack and it appears that the units they had were am/fm
>only. I want something to take on the road with me.
>
>Thanks and 72
>de kf4trd
>Mike Maiorana
>

They don't make them any more (there are some newer models), but I've

been using a Sony 2001D for years, and am quite happy with it. The SSB/CW performance is let down by the AM filter, which is too broad. The sensitivity is good, but the front-end is easily overloaded with an external antenna.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system - schematic and software.

Date: Tue, 6 Jan 1998 10:02:42 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: bkassel@dancris.com
Cc: qrp-1@Lehigh.EDU
Subject: [192] Re: winding toroids
Message-ID: <199801061702.KAA24572@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:45 AM 1/6/98 -0800, you wrote:

>> > a SHUTTLE can be made that is very useful in winding toroids.
>> > a piece of small diameter plastic about four or five inches long is
>> > used to make the shuttle. Each end is notched rather deeply .
>> > the guage of wire to be used will dictate the width of notch as well
>
>So Mike, just curious, where can a "non-old-salt" buy one of these?
>Not too many fish nets are found here in the desert ;).
>
>--
>Brian Kassel W5VB0
>ARCI # 3623
>Phoenix AZ ScQRPions
>

A shuttle can be easily made from a piece of brass tubing (abt 1/8" dia or so), or an old ball point pen ink cartridge. Cut it to the length you need, flatten it, and notch both ends. Wind the wire on it and you are all set. Don't forget to wash the ink out of the cartridge before you use it, or you'll have a mess on your hands (pun intended :^)).

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Tue, 6 Jan 1998 9:08:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [193] Test Equipment Combinations
Message-ID: <M2357566.001.dhw50.1.980106172852Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Recently we had a number of references to the Tektronix tutorial on use of an oscilloscope. Now I'm looking for something beyond that.

What I'm trying to locate is something describing the use of different kinds of test equipment in combination, such as a spectrum analyzer and tracking generator, or a sweep generator and an oscilloscope.

My intent is to work with filters and I want to learn how to sweep them in the most efficient and accurate way. I have a general idea of what happens, but never having done it, I'm not certain of what I think I know :-). Or, what I need to know.

Can anyone point me to a book, magazine article, web site, or what have you?

Thanks and 72,
Bob N6WG

Date: Tue, 6 Jan 1998 9:10:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [194] 40-9er
Message-ID: <M2357567.002.dhw51.1.980106172852Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

I'm trying to resurrect my 40-9er. All this talk of contacts made makes me want to get mine working (finally). Unfortunately, I've lost my schematic and board layout sheets from the little manual that came

with it.

Can anyone help me with a copy? Please reply direct.

Thanks and 72,

Bob N6WG and Ol' Kenwood ("You want to play with a 40-9er when you have me?")

Date: Wed, 07 Jan 1998 01:16:52 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: DrPepper@iwvisp.com
Cc: qrp@pandora.lugs.org.sg
Subject: [195] Re: In-flight emergency
Message-ID: <34b26706.pandora@pandora.lugs.org.sg>

On Tue, 6 Jan 1998 09:10:11 -0800, "Dr Pepper" <DrPepper@iwvisp.com> wrote:
> Well, how about, , , ,
>
> "CQ", meaning calling all stations, and
> "D" for disaster

CQD = Come Quick, Danger!

I read that somewhere long ago.

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                   |
+-----+-----+
```

Date: Tue, 06 Jan 1998 09:36:05 -0800
From: Bob Bayha <rbayha@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [196] Re: Test Equipment Combinations
Message-ID: <34B26B84.7547EFE3@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm interested in this type of information also... please post replies to the

list or cc me... Thanks.

Bob, KF6HXS

Bob Tellefsen-CNSE97 wrote:

> Recently we had a number of references to the Tektronix tutorial on
> use of an oscilloscope. Now I'm looking for something beyond that.

Date: Tue, 06 Jan 1998 12:43:42 EST
From: kd4kzq@juno.com (jim norsworthy)
To: qrp-l@Lehigh.EDU
Subject: [197] First Fox
Message-ID: <19980106.114050.6887.1.kd4kzq@juno.com>

Preston

Very fine job. I usually don't get the luxury of being able to go 'Fox Hunting'. Last nite I wrote down the fox's name and time/freq like I had done so many times before but last nite I got totally different results than ever before. I got home and the XYL and twins were gone out to eat with XYL's grandmother. I had forgotten about the lull in my normally hectic home life and I said to myself " Go get the gun, tonite's the nite".

Turned on the TS-830s and tuned -up, got the G5RV tuned with the MFJ tuner grabbed the straight key and was simply amazed. I listened a little , heard the fox and made the call. I got so excited I had to ask if it really was the fox, then I sent my info(still too excited- I didn't even send my name) and had to ask a second time to get a reality check. I then put on the MFJ keyer because I thought that my sending was terrible and finally bowed out semi-gracefully- I hope. Preston you were mostly a 599 in B'ham but there was a lot of noise locally and quite a few stations real close that caused me some problems. You faded a few times so I sent the 579 but I know from past experience that a 599 received seems wrong if the station giving the report suddenly asks for a 'fill' so I wanted to let you know that most of the time you were better than the 579 that i sent. Nice clean signal too.

Well the family arrived right after the contact and I think the XYL thought that something was up from the grin on my face. But as the saying goes " If I have to explain it to you, you wouldn't understand it anyway."

Thanks for my first pelt and I'll just have to find some way to put life on hold temporarily while I do this again real soon.

73/72 de Jim(there is the name Preston) KD4KZQ

Date: Tue, 06 Jan 1998 10:47:51 -0800
From: Brian Kassel <bkassel@dancris.com>
To: vole@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [198] Re: inactive clubs
Message-ID: <34B27C57.320B@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Dan, N9RLA) wrote:

> >

> > Our local club is about the same size as yours, but our activity is
> > even less.

Joe Gervais wrote:

> Just my personal ramblings for your perusal. :)

> There are two surefire ways to kill a club, IMHO.

> 1) Death By Procedure and 2) The Good Ol' Boy
> Syndrome. Over time both of these lead to "Fun
> Rot" for the Average Joe Ham - all the fun was
> drained from the dwindling clubs years ago.

Just let me say that Joe did a great job with this posting. He is right on target, and let me second his entire philosophy.

If you happen to be part of a club that fits into either of these 2 catagories, I strongly suggest that you read and re-read Joe's piece.

If the doughnuts and coffee are the best part of the meeting, you're doin' sumthin' wrong.

Be part of the solution, not part of the problem.

Brian Kassel W5VB0
ARCI # 3623
Phoenix AZ ScQRPions

Date: Tue, 06 Jan 1998 10:00:27 -0800
From: "Charles P. Sammut" <csammut@limbach.com>
To: qrp-l@Lehigh.EDU
Subject: [199] FS: WELLER CIRCUIT BOARD VISE; COMMUNICATION QUARTERLY SET
Message-ID: <34B2713B.81C9FBC4@limbach.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1. Weller ESF-120 Circuit Board Vise - 9 inch maximum board size, 360 rotation with moveable arm for holding components from opposite side of board. Made in Germany. Like new \$49.00 via USPS Priority Mail.

2. Communication Quarterly - complete set, 29 issues from Fall 1990 Premier Issue through Fall 1997 (current issue). All issues are in as received condition (near mint). \$99.00 plus actual shipping cost. Your choice of carrier/level of service, USPS, UPS, Fed Ex.

Please respond directly to: csammut@limbach.com

72,
Charles
K8MI
QRP-L #42
QTH near San Francisco

Date: Tue, 06 Jan 1998 13:12:44
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [200] WTB: SLR camara
Message-ID: <3.0.1.16.19980106131244.237ffc2e@mailhost.ncia.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Howdy gang,

I could really use a 35 mm SLR camara with a telaphoto or close up lens to take pictures of my QRP projects. If anyone has one of these collecting dust and willing to sell for about 100 bucks, please let me know, will ya?

Thanks,

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 07 Jan 1998 02:09:01 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [201] Component stress in ATU
Message-ID: <34b2733d.pandora@pandora.lugs.org.sg>

Hi,

I am wondering just how much stress do the components in an ATU see. Take the situation where the ATU is attempting to match a badly mismatched wire to the TX, does this automatically mean that the components in the ATU would be seeing greater voltages, currents, etc.?

Does this also mean that capacitors in ATU's must have high ratings? Just how high should these ratings be? Thanks for any pointers.

Oh, and under severe mismatch conditions, do the components in the ATU get hot? Thanks.

73 de 9V1ZV Daniel

--

Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	
QRP-L #667	9V1ZV@amsat.org

Date: Tue, 06 Jan 1998 13:10:47 -0500

From: Fred Lesnick <flesnick@Quetico.tbaytel.net>
To: qrp-1@Lehigh.EDU
Subject: [202] [Fwd: Operating in Canada]
Message-ID: <34B273A7.5B3E@tbaytel.net>
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="-----2DB432D693"

This is a multi-part message in MIME format.

-----2DB432D693
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

TED:

Just got off the phone with Industry Canada and one of the Radio Inspectors and he had said the same thing pretty much that you read in the RAC piece. Permission is a thing of the past between our two countries, it is no longer needed but all rules apply to our operating procedures. The only thing I did not see in the portion of letter you put on the site was that you are not allowed to operate in the Canadian sub bands while here. This rule still applies even when on Canadian soil. So no more phone calls or paperwork to do. Just remember to bring a copy of your ticket and have all of your equipment tagged at the border to prove you had it when you came across. Both sides can get sticky about this at times.

FRED VE3FAL

-----2DB432D693
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from fidoii.CC.lehigh.EDU by Quetico.tbaytel.net (AIX 4.1/UCB 5.64/4.03)
id AA30428; Tue, 6 Jan 1998 09:47:03 -0500
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<13695-34440>; Tue, 6 Jan 1998 09:46:55 -0500
Received: from nss4.cc.Lehigh.EDU ([128.180.1.13]) by fidoii.cc.Lehigh.EDU with
ESMTP id <12749-42370>; Tue, 6 Jan 1998 09:46:11 -0500
Received: from imo12.mx.aol.com (imo12.mx.aol.com [198.81.19.166])
by nss4.cc.Lehigh.EDU (8.8.8/8.8.5) with ESMTP id JAA37604
for <qrp-1@Lehigh.EDU>; Tue, 6 Jan 1998 09:46:08 -0500
Message-Id: <d626dc19.34b242f2@aol.com>
Date: Tue, 6 Jan 1998 09:42:56 EST
Reply-To: KB9RPD@aol.com
Sender: owner-qrp-1@Lehigh.EDU
Precedence: bulk
From: KB9RPD <KB9RPD@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: Operating in Canada
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
X-Mailer: Inet_Mail_Out (IM0v11)
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

I appreciate the assistance everyone gave me. There were several conflicting emails I received. I spent a few hours online last evening to further explore my question. I did find an answer and thought I would relay that information here so it may be of help to anyone else.

This is from the RAC - Radio Amateurs of Canada
(If I understand correctly, they are the ARRL equiv. in Canada).

Canada - United States Reciprocal Agreement

Canada and the United States have signed a reciprocal amateur radio agreement. In the terms of the agreement, amateurs may operate in the host country in accordance with the rules and regulations of the host country and in accordance with the terms and conditions of the amateur licence issued by the amateur's country.

Briefly, this means that visiting amateurs must obey the rules of the host country and the licence conditions of the country which issued their licence.

There is no need for paperwork or other formalities when exchanging visits between Canada and the United States.

Under the terms of the agreement, the visitor should give his or her call sign and location, e.g. VE3FRS/W9 or N9CFX/VE3. However, it is unlikely that anyone would complain if the form VE3/N9CFX were used.

A copy of the regulations of Canada is available from Industry Canada.

Industry Canada documents pertaining to Amateur radio are also available from the ARAS/SARA web site.
(<http://www.aras-sara.ca/>)

Industry Canada Regional Office Addresses:

New Brunswick and Prince Edward Island
Industry Canada
Unit 103, 4th Floor 1045 Main Street
PO Box 5090

Moncton, New Brunswick
E1C 1H1

Quebec
Industry Canada
'Room 620, Stock Exchange Tower
800 Square Victoria
PO Box 398
Montreal, Quebec
H4Z 1J2
Manitoba, Saskatchewan, Alberta and Northwest Territories

Industry Canada
Room 200, 386 Broadway Avenue
Winnipeg, Manitoba
R3C 3Y9

Ontario
Industry Canada
9th Floor, 55 St. Claire Avenue East
Toronto, Ontario
M4T 1M2

British Columbia and the Yukon
Industry Canada
Room 318, 816 Government Street
Victoria, British Columbia
V8W 1W9

-----2DB432D693--

Date: Tue, 06 Jan 1998 10:28:38 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [203] 49er Schematic
Message-ID: <2.2.32.19980106182838.006be758@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is the web address for the 49er schematic off the NorCal Page:

<http://www.fix.net/~jparker/49sch.html>

Hope this helps.

72,,,Jerry...WA6OWR...K

Date: Wed, 07 Jan 1998 02:25:22 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [204] Antenna pruning procedures?
Message-ID: <34b27712.pandora@pandora.lugs.org.sg>

Hi,

I've just put up yet another dipole. Now, this one has one leg (the ground leg) running along a wall (steel reinforced concrete) and the other leg out in the open, up on the 11th floor.

Upon testing, the SWR 1:1 point is about 5.8MHz. The length of each leg is equal, a little under 10M long each. Now, I want to trim this antenna and bring the resonant frequency up to 7.04MHz. However, due to the assymetry in the setup (one leg near wall, the other in open space), I am not sure if I should trim both legs equally, or just trim one leg.

Can someone share with me what the normal procedure is for this sort of pruning (if there is in fact a 'normal' procedure)? Thanks a lot.

73 de 9V1ZV Daniel

--

Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	
QRP-L #667	9V1ZV@amsat.org

Date: Tue, 06 Jan 1998 10:28:37 -0800

From: Harvey Laidman <Harvey1@outadaloop.com>
To: microres@crl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [205] Re: portable receiver
Message-ID: <34B277D5.BC791360@outadaloop.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll second that about the ICF-SW7600 - It's great, came with a little
"reel-up" antenna.
I use the timer function as an alarm when I travel and it sounds great on FM.
Only thing...
take LOTS of batteries!
...Harvey, W8DX

Stanley Wilson wrote:

> I have a SONY ICF-SW7600 that works very well. I believe AES has the
> current version of this receiver.

---Harvey1@outadaloop.com -- URL: HTTP://outadaloop.com ---

Date: Tue, 06 Jan 1998 11:31:13 -0700
From: Andy Fox <foxes@theriver.com>
To: qrp-1@Lehigh.EDU
Subject: [206] ZM-2 Info
Message-ID: <34B27871.2E5C@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth,

I'm looking for information about the ZM-2 tuner. I searched the
archives, and the information is in 12-21, 12-22 and 12-23 archives from
last year, but I can only locate the archives for this year. Any
suggestions?

Thanks in advance and 73

--

Andy Fox, KK7HV

mailto:foxes@theriver.com
http://personal.riverusers.com/~foxes/

Date: Tue, 6 Jan 1998 13:30:47 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [207] Pixie's Progress -- the final chapter (for now), rig cost and
beginners -- N4UY/PX
Message-ID: <199801061831.MAA05843@dfw-ix8.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello to all:

I've been using my Pixie II / MRX-40 / Tick Keyer combo for about 30 days
and before I put the rig on the shelf for a while I wanted to advise the
group of the Pixie's progress. I've also noticed the recent discussions of
rig cost and whether QRP is good for beginners so I thought I'd toss in my
2 cents on those topics as well.

I built the Pixie on Dec 5 and 6 and made my first Pixie QSO on Dec 7, made
my 61st (with the 50th amateur station) on Jan 5. The distribution by
state/province is as follows:

CT	1
DE	1
FL	1
GA	1
LA	1
MA	2
MD	3
MI	2
NC	6
NH	1
NJ	6
NY	11
OH	7
ONT	8
PA	7
QUE	1
VA	2

My antenna is a wire dipole cut for 40m -- no tuner. The rig is powered by a 9v alkaline battery -- when the batteries are too spent to operate the Pixie II / MRX-40 properly I use them to power the Tick Keyer. I guess the Pixie puts out about 200 milliwatts with the 9v battery -- less when the battery's power gets low :-)

I find it interesting that I had so many contacts with NJ and NY. My dipole runs Northeast to Southwest -- I had a hard time getting NJ and NY when was using my Scout at 5 watts.

Roughly half of my QSOs were short contest exchanges, but I also had some good long rag chews (half hour plus) on the Pixie. Had a couple QRPp to QRPp QSOs as well. Got some good distance too -- FL and LA are about 900+ miles from me.

Cost -- the HSC Pixie II kit was \$10 plus \$6 shipping. The MRX-40 is \$18. My enclosure, switches, BNC connector and other misc stuff is about \$10. So I've got about \$44 in this rig. As for the rest of the station -- the Tick was \$21, I've got about \$40 in my 40m dipole and my Ten Tec paddles were \$39. Toss is \$10 for other little stuff I've forgotten and you've got \$154 for the whole deal.

As for QRP being for beginners -- I'm a beginner. I've been a ham for 15 months -- on the air for 13. I started out with the Scout at 50 watts. After I worked New Zealand I figured maybe 50 watts was too much. The ARCI spring QSO party sealed it -- the Scout's been at 5 watts ever since. If I get HI (and cards from UT and MS) I'll have all 50 states confirmed at QRP. QRPp is a real challenge -- maybe its not for beginners. But it is definitely a thrill to make contacts using very low power, especially with gear you've built yourself.

I'm on to new projects. Just finished my OHR DD-1, the OHR 100A is in process, and my GM-10 arrived yesterday. Need to get some test instruments -- like a freq counter -- to check these fancy kits out :-).

72 and Happy New Year to all,

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 49/47 (need HI)

WAS QRPp W/C 15/11 (200 milliwatts on a Pixie II / MRX-40 / Tick Keyer
combo)

DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

Date: Tue, 6 Jan 1998 10:58:34 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <AlK0FRP@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [208] Re: ARRL RTTY Roundup
Message-ID: <199801061837.NAA11016@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Al and Bill, it sounds like you both made a QRP dent in the RTTY Roundup.
Way to go!

RTTY is on my list of things to try, but it's going to be a year or so
before I get to it.

In the meantime, it's good to see some good QRP activity holding it's own
right in the midst of the high power guys.

Thanks for the reports.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

> Made a bit of a dent in the RTTY contest 201Q's 50 states / Prov, 12
> countries.
>
> 12,462 pts about 14 hours

Date: Tue, 6 Jan 1998 12:21:47 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@Lehigh.EDU>
Subject: [209] Dying clubs
Message-ID: <199801061837.NAA18054@mailhost.infi.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Guys,

Just have to share this. ---After reading about the activities and approach taken by the Detroit area club.

All of our local clubs meet on Monday nights, and I have another commitment then, so I've never joined a local club. Finally, one night, I skipped my other meeting and went to the largest (I think) local ham club meeting. It was a dinner meeting, held in a special room at a Quincy's restaurant.

I walked into the room and saw about 25 hams, most of them sitting at tables. There was one long table with 10 or 15 guys in the center of the room that had a couple of empty seats in the middle, so I sat down in one. No one said anything to me, so I decided to see how long it would take for someone to acknowledge the "newcomer". It took 10 minutes. Sitting at a table with guys across from me and beside me!

Needless to say, they must not be looking for new members.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Tue, 6 Jan 98 13:35:16 PST
From: gregoire@endor.com
To: Low power amateur radio discusion <qrp-1@Lehigh.EDU>
Subject: [210] RE: Mi. Test.....QQ.....N4BP, give him a break!
Message-ID: <Chameleon.980106134428.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here!Here! to zero beating.

Zero beating and doing a successful QSY should be part of a "Practical" examination for licensing.

Both are basic skills. I'll bet a lot of hams can't do either well.

There is help for the semi-tone deaf(like me).

DSP filters can narrow the band width to 50 Hz.

If the signal is still there after narrowing
the band width to 50 Hz, you are very close.

BTW, I'm getting gud at zero beating after actually
hearing what a zero beat signal sounds like.
This is where having an Elmer on hand to show and tell
just what and how to do things.

de AA1IK, Time the accursed enemy of man,
Ernie Gregoire cursed youth for going to slow
 and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/06/98 13:35:16

Date: Tue, 6 Jan 1998 08:12:20 +0000
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: John Anthony Reynolds <D2250077@infotrade.co.uk>
Cc: "'gqrp-l@blacksheep.org'" <gqrp-l@blacksheep.org>, "'qrp-l@lehigh.EDU'" <qrp-
l@Lehigh.EDU>
Subject: [211] Re: GQRP - Tnx all re Mixers Enquiry
Message-ID: <nvp2XAAkdes0EwPT@gqrpclub.demon.co.uk>
MIME-Version: 1.0

In message <01BD1A0C.E62BC5C0@default>, John Anthony Reynolds
<D2250077@infotrade.co.uk> writes

> 73 de John G3PT0 GQRP 595

>

> QTH: WINDY (100mph) CHIPPING SODBURY,

> SOUTH GLOUCESTERSHIRE

Is your antenna OK in that wind? They say that if you don't worry about
your antenna it's not high enough! Good luck with the RX and look fwd to
hearing the results. Remember our problems on 40 are 100 pc worse than

in USA maybe why the split in mixer choice? Seeriously though I think either will perform well and 40 is the place to test a mixer.

Cheers.

--

Frank G3YCC GQRP 042

QRP Web Page: <http://www.gqrpclub.demon.co.uk>

Packet: G3YCC@GB7HUL

Date: Tue, 6 Jan 1998 13:56:19 -0500

From: "Bob Kellogg" <ae4ic@nr.infi.net>

To: <vole@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [212] Re: inactive clubs

Message-ID: <199801061857.NAA31670@mailhost.infi.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Joe, et al,

You said:

> If a new person has taken the time to visit your club,
> what are *you* doing to make them feel welcome? Why are
> they going to want to come back? Do you introduce them
> to everyone? Do you include them in what's going on? Do
> you ask for their input?

I took a night off from my regular scheduled Monday night meeting to attend (for the first time) a meeting of the largest (I think) local club. It was a dinner meeting at Quincy's.

I walked into the special room, and sat down at a table with about 10 hams already seated. there were probably another 15 hams seated at other tables.

No one said anything to me as I entered and sat down, so I looked at my watch and started timing. (I was sitting between two guys, and there were others across a 30" wide table from me)

10 minutes later someone spoke to me.

Now the test question. When do you think I'm going back? You say when Hell freezes over? Good answer! (but not long enough)

Of course, they didn't lose much when they didn't sign me up. I'm nearly 65 so must be over the hill. :-) But the sad thing is they will never know

what they missed. Certainly, I'm not the only one that ever attended a meeting that had a similar experience.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Tue, 6 Jan 1998 11:59:12 -0700
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: vole@primenet.com
Subject: [213] FYBO '98
Message-ID: <19980106.115921.2662.3.wa5whn@juno.com>

T minus 31 days until FYBO '98

KI7MN had posted a note about freq. drift, using his OHR xcvr, hmmm, no mention of how much the Radio Op had drifted in the same enviroment. ;)

How do we extract usable energy (12VDC) out of cooking chili & beans over an open flame, during FYBO ? ;)

W5BI & I will be driving over to DM54 {Pinetop-Lakeside, Az.}, for FYBO, so that our Az. bretheren can teach us how to operate in extreme cold weather conditions ;) {Hidden Agenda} This will allow us to play with some of the prizes for this year's FYBO. Ah, er, make sure that they are packed, and on their way home with us. Headlines "NM QRP Ops clean sweep the prizes for FYBO '98 & then run for the border." ;) Now, there is an idea for a QRPTTF '98 theme, "Run for the Borders". ;)

I will place the batteries close to the campfire, so that I will not loose 10+ % efficiency due to the cold. Hey Jose - AB7TT, does this count as an alternate power source ? Maybe I will park there too.

Hot tub & thawing out party @ AB7TT's QTH, after FYBO '98 ? :)

>From the QRP-L archives {FYBO '97},

<http://www.primenet.com/~vole/>

72, ...Jay, WA5WHN DM65qd Albuquerque,

NM USA

Date: Tue, 6 Jan 1998 08:19:26 +0000
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [214] Messages
Message-ID: <cPT4\$KA0kes0Ewrt@gqrpclub.demon.co.uk>
MIME-Version: 1.0

Anyone else getting all the qrp-l messages in duplicate at the moment?

--

Frank G3YCC GQRP 042
QRP Web Page: <http://www.gqrpclub.demon.co.uk>
Packet: G3YCC@GB7HUL

Date: Tue, 6 Jan 1998 15:07:07 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [215] Re: Component stress in ATU
Message-ID: <Pine.LNX.3.95.980106150451.16319C-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Capacitors must, indeed, be able to withstand some serious voltages at higher power - thus the use of large, widely-spaced air variables. Ideally, the components in a tuner will be lossless (heh).

Since nothing is, they will heat up. Things will want to arc, and I even have an MFJ tuner with a melted coil form (I'm using it on 6m, where little inductance is required).

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
*** W3EAX - U of MD ARA / Laurel ARC / ARRL Life Member / MD MW **
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

On Wed, 7 Jan 1998, W. Daniel, 9V1ZV wrote:

```
> Hi,
>
> I am wondering just how much stress do the components in an ATU see.
> Take the situation where the ATU is attempting to match a badly mismatched
> wire to the TX, does this automatically mean that the components in the ATU
> would be seeing greater voltages, currents, etc.?
>
> Does this also mean that capacitors in ATU's must have high ratings?
> Just how high should these ratings be? Thanks for any pointers.
>
> Oh, and under severe mismatch conditions, do the components in the ATU
> get hot? Thanks.
>
> 73 de 9V1ZV Daniel
> --
> +-----+-----+
> | Daniel Wee | daniel@pandora.lugs.org.sg |
> | 9V1ZV      |                               |
> | QRP-L #667 | 9V1ZV@amsat.org             |
> +-----+-----+
>
```

Date: Tue, 6 Jan 1998 11:59:49 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <Bob_Tellefsen-CNSE97@email.mot.com>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Subject: [216] Re: Test Equipment Combinations
Message-ID: <00a401bd1ad7\$2b49f580\$2e22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob,

Count me in too. I'm just starting to gain interest in test equipment now
that I am building QRP equipment.

Thanks es 72

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

-----Original Message-----

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, January 06, 1998 10:20 AM
Subject: Test Equipment Combinations

> Recently we had a number of references to the Tektronix tutorial on
> use of an oscilloscope. Now I'm looking for something beyond that.

Date: Tue, 6 Jan 1998 12:11:49 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [217] Re: Dying clubs
Message-ID: <00a501bd1ad7\$2c7fb660\$2e22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob and the group,

>No one said anything to me, so I decided to see how long it would take for
>someone to acknowledge the "newcomer". It took 10 minutes. Sitting at a
>table with guys across from me and beside me!

It is truly unfortunate when this happens, however, it isn't just our clubs
where this is happening. I've seen it in churches, fraternal organizations,
new jobs, name it, even in the military.

Yes, sad state of affairs.

72 to all

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

Date: Tue, 06 Jan 98 14:04:49
From: "Merschrod, Kris" <km@PACT.ORG.PE>
To: qrp-l@Lehigh.EDU
Subject: [218] "Normal" Pruning for an abnormal antenna
Message-ID: <9800068841.AA884124289@pact.org.pe>

Daniel,

You have to be pulling not only our collective leg but also the leg of the Antenna!

All bets are off, you have a capacitive effect on that one leg that has to be pulling the resonant frequency down it has to be as unbalanced as a one legged pirate with too much ale.

Ok, let's start off with what is the original length? Was it trimmed for 7 MHz to start with? Is it fed with coax? Assume no tuner?

A "normal" calculation way is to take the actual length and multiply that by the actual resonant frequency. That gives you the estimated constant, given the materials and environment at hand. Then you take that constant and divide it by the desired frequency and you get the new length. It does not matter if you use MHz, KHz Hz; nor length of the whole dipole or just a leg, nor feet or metric (as long as you go back by the same terms.)

The "normal" way to do it by hand is to trim off or fold back the ends until you have it one the frequency desired.

There was a manual by the Unidila folks years ago which explained how to trim unequally to compensate for capacitive effect of metal roofs under one end, but I've forgotten what it said! But you really

have an unbalanced dipole there so one leg should not equal the other.

I'd try to get the thing in the clear or wire the ground end as you call it to the rerod and call it a 1/4 horizontal and just work on the leg that is sticking out.

The again, why not a sloping dipole using the building as a "reflector? At least you would have more radiating wire out there. Or a long wire from the window.

Suerte,

Kris
OA4DBO "Where resonance is a way of life."

Date: Tue, 6 Jan 1998 09:46:46 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [219] Re: Lab Data: Diodes as varicaps (was 1N4004 ...)
Message-ID: <000a01bd1ad9\$0e1933c0\$81c9bfce@groucho>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck wrote:

>My first suspects would be the 1N4148 and 1N5232
>just due to the fact that they have a large range in C.

I can say with a sample of one that the 1N4148 does not make a good choice. I used one for the FSKing of the transmit mixer in a 9020 and we discovered that the rig would work fine for a few minutes then it would drift and finally the shift would almost disappear. I traced the problem to this diode. I assume it's the heating effect of the junction. Perhaps in a very low current circuit it would be fine, but then there are other diode too.

On the other hand, the 1N4002 I used for the BFO receive shift has been working fine and seems plenty stable for rtty, amtor and pactor reception.

Years back I use a 15 volt zener for a RIT mod on my HW-8. As I recall the

article mentioned that zeners and varicaps have similar construction. The zener worked well. Here again this is data based on a sample of one.

73 de KA0GKC Claton Cadmus

cla@spacestar.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Tue, 06 Jan 1998 19:54:00 +0000

From: Ed Loranger <we6w@qsl.net>

To: mikemo@ibm.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [220] Re: portable receiver

Message-ID: <34B28BD8.65CA@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Painful memories. My Sony ICF-6700W (Note, different model) I purchased in Europe. General coverage with AM/FM. Nice hefty unit with LED freq. display, not some chincy LCD green garbage. Something you can see by! Double conversion with preselector.

Big built in antenna. Selectivity to die for. Really pulled in the cw stations crowded or not, BC interference or not. Portable table top rig. Used it daily until...

My first son was born. Left my rig alone for only 4 hours. Stereo and rig heisted...

Will I ever recover? I don't know. But would gladly mail my HW-8 station, or OHR-100 away to have the same model back again. Sony ICF-6700W. Big map inside the top that slides up showing the world and time zones.

Hand me a tissue please.

GL. -Ed

Stanley Wilson wrote:

>

> On Tue, 6 Jan 1998 mikemo@ibm.net wrote:
>
> > Does anyone have any recommendations for a portable receiver that covers
> > the ham bands and can detect cw and ssb (BF0?).
> >
>
> I have a SONY ICF-SW7600 that works very well. I believe AES has the
> current version of this receiver. Very stable, works on AM/FM/CW/SSB
> runs on batteries or AC adapter. Seems to take rough treatment, I have
> dropped it a couple of times with no ill effect. Has provisions for
> external antenna, comes with headset. Small size about 1" x 5" x7".
>
> de stan ak0b

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Tue, 6 Jan 1998 17:52:41 -0000
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [221] Hamcalc
Message-ID: <01bd1acb\$e28fcc80\$LocalHost@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Murph - VE3ERP - asked me to pass this along.....

HAMCALC (over 22 Painless Mathematics and Design Programs for Radio Amateurs and Professional) compiled by George Murphy, VE3ERP, has been used worldwide as a reference and learning tool since 1993.

For a free 3 1/2" MS-DOS/ Windows HAMCALC diskette, send US\$5.00 check or money order (no stamps or IRCs please) to cover cost of materials and airmail anywhere in the world, to George Murphy VE3ERP, 77 McKenzie St., Orillia, ON. L3V 6A6, Canada.

I have tried several versions of it and found many of the programs very useful.

72/3

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club

"It is vain to do with more
what can be done with less"
William of Occum. 1290-1350

Date: Tue, 06 Jan 1998 15:00:07 -0600
From: Karl Heimbach <heimbach@concentric.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [222] QSL info for 3B8CF
Message-ID: <34B29B57.2CBD@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello gang,

Does anyone have current QSL info for 3B8CF? Worked him last night on
10.1035 at 3:22 UTC.

Thanks,

Karl - W5QJ

Date: Tue, 6 Jan 1998 16:43:38 -0000
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
To: QRP-L@Lehigh.EDU
Subject: [223] FRIEDRICHSHAFEN 1998
Message-ID: <01bd1ac2\$3d1f9720\$LocalHost@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings everyone
and a Happy New Year.

Completing the form to acquire a booth for the G QRP Club,
I was reminded that not all US list members may know about
the Annual Amateur Radio Exhibition in Friedrichshafen.

This is probably Europe's biggest Ham Radio event and takes place this year

25th - 27th June in Friedrichshafen in southern Germany.
300 companies from 40 countries and 21,000 visitors last year
This year the event is being divided into Ham Radio and Computing sections.

Friedrichshafen is situated on Lake Constance at the point where the German, Austrian and Swiss borders meet. A beautiful place - which make it ideal to enjoy a radio event and also take the family for vacation. A one hour drive from the site brings you straight into the Austrian Alps. The food is excellent and the wine is outstanding! There is a local airport, although it is probably easier to fly into Munich or Stuttgart and take a hire car.

Being in central Europe, people attend from all over Europe - from Turkey to Scandanavia, including many hams from eastern Europe. We usually have G QRP Club visitors from about a dozen countries on the booth through the 3 days. The fleamarket is a famous feature of the event and usually manages to produce a whole variety of interesting material from behind the old iron curtain.

The G QRP Club have run a booth at this event for the last 5 years and have been joined by W7EL and K5HBG, both of whom took their wives and enjoyed the experience. Dick, G0BPS, George, G3RJV and Sheldon Hands from Hands Electronics form the basic booth staff.

If you want further information - you can contact me, or write direct to:

Karin Rausch [Ham Radio]
Messe Friedrichshafen
Meisterhofener Str. 25
D - 88045 Friedrichshafen
Germany

72/3

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club

"It is vain to do with more
what can be done with less"
William of Occum. 1290-1350

Date: Tue, 06 Jan 1998 14:00:24 -0600
From: "Phil, K6LS" <k6ls@prolynx.com>
To: clund@bestweb.net
Cc: qrp-1@Lehigh.EDU
Subject: [224] Re: WTB QRP Wattmeter
Message-ID: <34B28D58.5E370199@prolynx.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Oak Hills Research WM-1 watt meter works well for me..
sorry I can't provide a url or phone no. at this time.

Of course the HP-432A works pretty good too... :-)

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
http://www.qsl.net/k6ls
http://www.prolynx.com/k6ls
DM79oq, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

Date: Tue, 06 Jan 1998 16:08:36
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [225] Re: Test Equipment Combinations
Message-ID: <3.0.1.16.19980106160836.3f77de3e@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'd like the info on test equipment to as I'm just starting to need it.
How about the people who respond just post it to the list?
TNX.

73,
Arnold kd5ckh

-----Original Message-----

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, January 06, 1998 10:20 AM
Subject: Test Equipment Combinations

Recently we had a number of references to the Tektronix tutorial on use of an oscilloscope. Now I'm looking for something beyond that.

Date: Tue, 6 Jan 1998 14:09:12 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [226] Re: WTB QRP Wattmeter
Message-ID: <014501bd1ae7\$a10b93e0\$2e22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>The Oak Hills Research WM-1 watt meter works well for me..
>sorry I can't provide a url or phone no. at this time.

URL is <http://www.ohr.com> - Phone number and specs available on the Web page.

72

Ron

Date: Tue, 06 Jan 1998 16:34:31 -0500
From: Ed Dout <edn4pk@VoyagerOnline.net>
To: g3rjv@gqrp.demon.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [227] Re: Hamcalc
Message-ID: <34B2A366.9657C0AD@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you do not have and/or do not use this program, then
shame on you. It has more information
and "stuff" than most high priced handbooks....Useful
"stuff"...Great program...Ed N4PK

Date: Tue, 6 Jan 1998 16:42:59 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:heimbach@concentric.net" <heimbach@concentric.net>
Cc: QRP Discussion Group <qrp-1@Lehigh.EDU>, "Doc (W.D.) Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [228] QSL info for 3B8CF
Message-ID: <199801061645_MC2-2E4F-30E9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Karl:

Recently posted his address to the reflector. You may have overlooked it
somehow. If it does not turn up, please let me know and I will re-send it
to you. Writing this from work, so don't have his address to hand. Good
luck, and congratulations on a good DX catch.

72/73,
--Doc/K0EVZ qrp-1 861

Date: Tue, 6 Jan 1998 16:40:39 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:kd4kzq@juno.com" <kd4kzq@juno.com>
Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP Discussion Group
<qrp-1@Lehigh.EDU>
Subject: [229] First Fox
Message-ID: <199801061644_MC2-2E47-EED9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Jim:

Well, now you are *HOOKED*....and ruined for *life*!! FOX hunting is probably the single most addicting sport I have ever gotten into since being first licensed in 1960. Man oh man, when there is a FOX hunt scheduled I can hardly wait for it to begin--all the time hoping against hope that conditions are favourable at my QTH :-). Four times this year the FOX has not even been heard at K0EVZ ;^(. Made for a long evening. At least long for my long-suffering XYL...

Anyway...it is with mixed emotions that I respond. Congratulations, sure. But as I said above, now you've gone and done it <VVBG>.

But as long as you have been infected this this disease, good luck and best wishes for many more successes! Will listen for more reports from you.

72/73,
--Doc/K0EVZ qrp-1 861

Date: Tue, 06 Jan 1998 21:58:19 +0000
From: Ed Loranger <we6w@qsl.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [230] sprint contact.
Message-ID: <34B2A8FB.3A7D@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Doc! As always, a great pleasure working you.

Man, just a few minutes after working you you went up to 599! Yeah! Then Shannon, xyl, calls for dinner and when I get back the band is dead. Finito! Nada.

All alone the last hour. CQ solo and painfully with my plastic straight key I get out to reduce my station weight.

Ended up with 4 Q's. Was running 4 watts initially but the old makita battery fizzled down to 3 watts at the 2 hour mark.

Really thought something was wrong with my station.

On a humourous note, I was really ready. Eleven minutes prior to the contest start I finished another QSL card to

send out. At ease, I was. Called CQ at the top of the
our. It was 24 minutes without hearing a peep from anyone
when I used my trusty pixie2 to frequency spot 7040 (Something
I use the pixie2 for a lot). What the? I was up at 7047 or so.

I forgot to tighten the ohr-100 freq. knob after some prior work!

Once on QRG I heard everyone -- for about 55 minutes, then the
band turned into a dummy load.

Cheers to all. I had fun!

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,OHR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Tue, 6 Jan 1998 17:08:10 EST
From: MSU1972 <MSU1972@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [231] Help with selection
Message-ID: <d626e37e.34b2ab4e@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I'm trying to decide which 40m kit to build and use as a unit with the KC-1
counter/keyer and Rainbow tuner...to use at the park table with batteries...

Between:

Oak Hills 40m

Wilderness SST

Ten-Tec

or ?

They are all now between \$85-100...about the same price

By the way whats the difference in performance between an SST and the other
40m by NorCal?

David, KB8OCC

Date: Tue, 6 Jan 1998 17:14:52 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Karl Heimbach <heimbach@concentric.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [232] Re: QSL info for 3B8CF
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 6 Jan 1998, Karl Heimbach wrote:

>

> Does anyone have current QSL info for 3B8CF? Worked him last night on
> 10.1035 at 3:22 UTC.

>

According to the card he sent me:

Seewoosankar Mandary
Shastri Road, Candos,
Quatre Bornes, Mauritius

The guy has good ears! He copied my 50mw on 20M for a fairly lengthy QSO..

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 06 Jan 1998 12:37:41 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [233] FOX: N0GLM log (6 Jan 98 UTC)
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EBE0@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings All,

Below is the log for 6 Jan 98 0000-0200 UTC (5 Jan 98 1900-2100 EST).
It is pretty sparse but I figure that since the server was down, not
everybody saw my announcement. I even came in on Sunday so the digest
readers (me included) could get the info in advance. Lots of static
last with frequent thunder crashes and the BC stations seemed more
active. I had to QSY a couple of times because I found myself trying to
compete with a BC carrier. I did hear a KM5EJ (TX) in QSO with WB8FSV

at about S2 but readable. My next scheduled fox time is Thursday, 15 Jan from 1900-2100 EST. I can operate later on this week (Thurs/Fri/Sat) if there is the interest. Please e-mail me direct if you want me to do so along w/ preferred day/times and I will announce it to the list.

6 Jan 98 0000-0200 UTC

sent recd

K0EVZ	559	579	Doc	MN
WA9PWP	599	579	Paul	WI
KD4KZQ	599	579	Jim	AL - glad to be ur 1st Fox!!
NI0A	559	459	John	MN
KE0WW	449	339	Mike	MN

73

Preston n0g1m

Date: Tue, 6 Jan 1998 18:48:26 +0000
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: mikemo@ibm.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [234] Re: portable receiver
Message-ID: <Tnh4q0A6xns0EwZl@gqrpclub.demon.co.uk>
MIME-Version: 1.0

In message <34B202BC.1852@ibm.net>, mikemo@ibm.net writes
>Does anyone have any recommendations for a portable receiver that covers
>the ham bands and can detect cw and ssb (BF0?).
>
>Went to radio shack and it appears that the units they had were am/fm
>only. I want something to take on the road with me.
>
>Thanks and 72
>de kf4trd
>Mike Maiorana
>
I bought a small Sony recently think it is called the 100s and fine for
AM band, LW, BC FM and SW with CW and SSB. Breast pocket size too.
Cheers.

--
Frank G3YCC GQRP 042
QRP Web Page: <http://www.gqrpclub.demon.co.uk>
Packet: G3YCC@GB7HUL

Date: Tue, 6 Jan 1998 14:54:33 -0800 (PST)
From: KB0VCC/1 <kb0vcc@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [235] Re: warming up for FYB0
Message-ID: <19980106225433.12654.rocketmail@web2.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I too, have been eyeing my FYB0 '98 site as well.
WX permitting, I hope to hike up there this weekend
to experiment. Seems there's an old fire tower
within sight of my QTH on a nearby mountain (ok,
a "mountain" by NH standards) top. I'm thinking
of using it as a platform to work from. I'll
have 360 degrees of "exposure". Sure hope it's
warmer than New Years Eve. The mercury read
just -12F. That, combined with 35 mph wind gusts,
dropped the wind-chill to something like, -68F!
Brrrrr! I am thinking of buying some of those
chemical hand warmer hot packs to wrap the
battery in. Of course in those temps, the
battery may last longer than me! :^o

72 es 73!
-Dale

=====
Dale Anderson In the Mt Washington Valley
KB0VCC Conway, New Hampshire
QRP-L #91 / CQC #251 Grid Sq: FN43KX
ARS #234 / FISTS #3172 <http://www.qsl.net/kb0vcc>
=====

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 6 Jan 1998 16:07:18 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-1@Lehigh.EDU
Subject: [236] CQC SWAP LIST
Message-ID: <199801062305.QAA20214@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The CQC Swaplist has been updated. Check it out on the
web: <http://www.mtechnologies.com/cqc>

Or email me to be put on the email distribution list.

73
Marshall
N1FN

Colorado QRP Club

CQC Swap List

01/06/98

New Sale 3
New Want 2
Deletions 10

If you are viewing this list with a web browser, you can use your browser's functions to search for specific text or to save a copy of this information to disk. For example, the number of new additions is shown at the top of this page-- search for the DATE (e.g. 10/) to locate them quickly. New listings will be shown at the beginning of the relevant section. Note that the means of counting new items (as shown above) is a bit arbitrary. Sometimes it's the new listings, but sometimes I count multiple new items even if they're in the same listing.

Use the BACK button to return to the CQC Home Page. To add, delete, or change an item on the list, use your BACK button to return to the previous page and complete the on-line submission form.

If you received this listing via e-mail, send changes, submissions, deletions, and subscription requests to

cqcswap@mtechnologies.com.

We are always looking for NEW listings of QRP Radios and equipment. Listings will be deleted automatically after two months, but you can ask for an extension or re-submit them after deletion. Please notify us promptly when an item has been sold or obtained.

You do not need to be a member of CQC in order to list items, but if you are a member then your listing may be printed in Low Down. Please do not list items which are not at least tenuously QRP-related!

If you would like to have the swaplist sent to you via email, just email your request to cqcswap@mtechnologies.com

FOR SALE or TRADE FOR SALE or TRADE FOR SALE or TRADE

Still have the following QRP-related items for sale.
Prices *include* manual and shipping to CONUS. Several QRPers are looking, but none has made a concrete order. PS, they would also make excellent gifts :-).

1. MFJ-418 Morse Code Tutor. Excellent condition, complete with manual. \$60.00.
2. MFJ-212 Matchmaker. Device uses *sound* to help you pre-tune those tiny/delicate finals without applying power. \$70.00.
3. MFJ-722 "Optimizer" CW/SSB/Notch Filter. \$43.00.
4. Autek QF-1 Audio Filter. \$46.00.
5. MFJ-564 Iambic Paddle. Key pads are triangular, red-coloured. Excellent condition. \$50.00.

Interested?--just let me know :-).

72/73,

--Doc/K0EVZ cqc 414

E-MAIL: 70511.3041@compuserve.com

01/06/98

FOR SALE/SWAP

Timewave Technology DSP-9 Audio Noise Reduction Filter.
CW: 100/200/500 Hz bandpass, 400/500/600/750 Hz center freq. Voice: 1.9/2.1/2.3/2.7/3.4 kHz bandpass, multi-notch tone filter. CW/Voice: Random noise reduction. Has latest 3.0 firmware upgrade. New condition, in original box.

Bill Flynn, AI0C CQC: 179

E-mail address: billandjudi@earthlink.net

Home Phone: 970-225-9921

Business Phone: 970-679-3790
01/06/98

FOR SALE/SWAP

TENTEC 229 ROLLER INDUCTOR TUNER. FULL KW CAPABLE.

AL DAWKINS, K0FRP CQC: 32

11904 E KENTUCKY AVE

AURORA, CO 80012

E-mail address: ALK0FRP@AOL.COM

Home Phone: 303-361-0065

Business Phone: 303-858-4748

01/06/98

FOR SALE/SWAP

Greetings! I have a very, very nice Heathkit HW-7 (CW, 15, 20, 40 meters) that I need to part with. It was recently serviced (10-29-1997) by RTO Electronics and is fully operational, calibrated, and ready to go. The cosmetic condition of the radio is exceptional! The face is flawless with only a few case scratches. I will also include a few FT-243 xtals that can be used with the radio. Asking price is \$150 plus shipping/insurance. Thanks for reading and responding via E-Mail to George@QNQ.Com 73's

George Gleim, N3BPI CQC:

E-mail address: George@QNQ.Com

12/17/97

FOR SALE/SWAP

Heathkit HW-9 with WARC bands, PLUS matching HFT-9A Tuner and HM-9 SWR meter. Very CLEAN, working great plus all Heath manuals. Has thump supressor mod added internally - no external cabinet mods. Asking \$375 for this QRP rig. Would consider trade for TenTec QRP +/- cash, depending on rig and condition.

Tom Quayle, WN7ECL CQC: 254

1616 N Main St

Butte, MT 59701

E-mail address: tquayle@in-tch.com

Home Phone: 406-782-2012

Business Phone: 406-782-2012

Fax Phone: none

Packet: none

12/17/97

FOR SALE/SWAP

I would like to do some tradin'... I have a S&S Engineering

TAC-1 80 meter rig (without Keyer). Looking to trade for a TAC-1 40 meter rig, QRP+ or an Icom 730. If you are interested, let me know and I will send you more details. Cash price would be \$180.00. I am flexible so contact me at kelman@dialnet.net.

Kelly Ellison

Aurora, Missouri

Kelly Ellison, WB0WQS CQC:

Rt. 4 Box 62

Aurora, Mo 65605

E-mail address: kelman@dialnet.net

12/04/97

For Sale

Small Wonder Labs SWL-40, 40m, 1.5w, super clean QSK, superhet receiver, only draws 410 ma on transmit, 23 ma on receive, very small. With the original SWL enclosure kit. Great backpacker! \$75

A & A Engineering, Gary Breed design, 30 meter transceiver, narrow crystal cw filter, very clean audio, relay keying, 5+ watts out, internal speaker. Originally appeared in the Dec '90 and Jan '91 issues of QST. \$125

MFJ-9020, 20m transceiver, with MFJ keyer, built in speaker, 5 watts out, a real "flamethrower". \$130

MFJ-9017, the new solar cycle is already here. Don't miss any more openings. Full 5 watts out. \$110

Oak Hills Sprint. 30m, super clean QSK, direct conversion rx, only draws 217 ma on transmit for 1.4 watts out! Light weight. This rig was originally factory assembled. \$60

Ten Tec 509 with model 208 cw filter. 80-10 meter, cw and ssb. No WARC bands. \$275

all by Jim KG0PP

303-366-7864

EJim@aol.com

P.O. Box 31575

Aurora, CO 80041-0575

11/23/97

For Sale:

Murch UT-2000A Transmatch, modified to Doug DeMaw's SPC circuit. Asking \$100 / shipping included.

I can reconfigure back to original "ultimate transmatch" circuit if you desire. FYI: THE Ultimate transmatch design covers 80 - 10 M, but the SPC mod also tunes 160 M on a resonant or only slightly reactive antenna.

JERRY L. BARTACHEK, KD0CA CQC:
402 West 8th Street
Washington, IA 52353
E-mail address: jbartac@max.state.ia.us
Home Phone: 319/653-2691
Business Phone: 319/653-2135
11/23/97

FOR SALE/SWAP

TenTec Argo 556 with ALL the HF band modules (9 in total, 160-10m), absolutely mint condition, NB installed, TenTec hand mic and manual included. Asking \$675 complete, prefer trade for compact HF rig, QRP capable, with good general coverage all-mode receiver and quiet QSK. Can put a little cash with the rig for the right trade.

Marty Watt, KM7W CQC:
E-mail address: mdwatt@usit.net
11/23/97

FOR SALE/SWAP

Wilderness NC 40 a - with KC1 keyer/audio freq readout. Works great, and in perfect condition. \$150. This includes shipping and insurance.
OHR Spirit 40 meter rig, with built in Curtis keyer. Very nice 5 Watt rig. Has sidetone spot button added to allow zero beating without QRMing the other station. Very ruggedly built. Just a few chips on the paint of the flat black clamshell cover. Can be readjusted to cover the Novice band. \$120. This includes shipping and insurance.

Steve Pituch, W2MY CQC:
28 Crescent Road
Livingston, NJ 07039
E-mail address: n2mnn@spacegate.com
Home Phone: 973-994-9627
Business Phone: 908-730-4998
11/14/97

FOR SALE/SWAP

Santec 220 Mhz HT ST-220uP Works great \$175.00
Mirage C-106 220 Mhz Amp 10 in 60 out \$175.00
More Info includeing Pictures at
<http://users.accessus.net/~dwentz>
Dale Wentz, KB9JJA CQC:

263 South 27th St
Belleville, IL 62226
E-mail address: dwentz@accessus.net
Home Phone: 618-233-3055
11/14/97

FOR SALE

Kenwood TS870 w/Digital Voice Unit. Factory cartons.
1760 + shipping. Ted W7KEY. Tucson, Arizona phone
520-323-8766. em downing@azstarnet.com
11/09/97

FOR SALE/SWAP

QRP+. HAS VERY LITTLE USAGE AND NEW E-PROM CORRECTING
KEYING PROBLEM. NO MODS. GREAT COND. WITH MIC AND
MANUAL. ASKING \$425.00 INCLUDING S/H IN CONUS.
JOHN DOORSON, K2JHU CQC: 351
3236 SAND DUNES COURT
MELBOURNE BEACH, FL 32951
E-mail address: jdorson@metrolink.net.
Home Phone: 407 676-4699
Business Phone: 407 984-3135
Fax Phone: 407 727-9926
11/04/97

FOR SALE/SWAP

For Sale - Yaesu FT 747 GX Tranceiver
10-160m, 100w/ General coverage receiver.
Excellent Electrical and cosmetic condition. \$450
Steve Smith, KB0SZF CQC: 175
E-mail address: ssmith9831@aol.com
Home Phone: 303-688-1515
Business Phone: 303-741-7335
11/04/97

I have a list of hams who will help (for small or moderate fee to
free)
hams who for one reason or another (eyesight, handicap, injury, etc.)
cannot build their QRP kits. I will furnish two addresses of these
willing
hams, and all arrangements are made between them. Contact me at my
e-mail
address and I'll do all I can. Dave Smith KE6PUF CQC#187 233 North
Homassel
Avenue Lindsay CA 93247 EMAIL: QRPDave@ocsnet.net (209)562-6227
*4/7/97

(Commercial Listing) Memory keyer kit for \$22, add-on memory kit for non-memory keyers for \$18, digital display kit for \$50, LC Meter kit, for \$90, Rainbow Kits. Logging and Morse code training software, guaranteed, CQC discount 10% on software purchases. Credit cards ok. Images and more info on web site, also on-line ordering.

Marshall Emm N1FN CQC#154

2460 S Moline Way Aurora CO 80014

(303)752-3382

WWW: <http://www.mtechnologies.com/mthome>

E-MAIL: n1fn@mtechnologies.com

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WANTED WANTED WANTED WANTED WANTED WANTED WANTED WANTED WANTED WANTED

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WANTED

Index Labs, latest version of the QRP + transciever.
Would prefer an unused, still in the box but will consider a slightly used one. aAny accessories that can be used with the QRP + will also be considered.

Frank Stallings, KC5HKI CQC:

205 Westover Drive

Hartsville, SC 29550

E-mail address: frank@stallings.com

Home Phone: 803-383-9797

Business Phone: 803-383-1076

01/06/98

I would like to do some tradin'...
Looking to trade for a
TAC-1 40 meter rig, QRP+ or an Icom 730. If you are interested, let me know and I will send you more details.
I am flexible so contact me at
kelman@dialnet.net.

Kelly Ellison

Aurora, Missouri

Kelly Ellison, WB0WQS CQC:

Rt. 4 Box 62

Aurora, Mo 65605

E-mail address: kelman@dialnet.net

01/06/98

WANTED

WANT MFJ 969 TUNER
OHR WM-1 OR 2.
AL DAWKINS, K0FRP CQC: 32
11904 E KENTUCKY AVE
AURORA, CO 80012
E-mail address: ALK0FRP@AOL.COM
Home Phone: 303-361-0065
Business Phone: 303-858-4748
01/06/98

WANTED
Looking for a AEA 10 meter HT. Any condition.
Tom Whalen, WB5QYT CQC:
5316 Vista del Cerro NE
Albuquerque, NM 87111
E-mail address: whalen@swcp.com
Home Phone: 505-237-2005
12/04/97

Want to buy a matching power supply for the
Ten-Tec Corsair I ("the pretty Corsair")
Dave Gauding, NF0R CQC: N/A
E-mail address: nf0r@slacc.com
12/04/97

WANTED
Drake 2B, 2BQ I'm not looking for a collectors item or
collectors price. Just a good 2B! tks..Steve
Steve Galchutt, N0TU CQC:
E-mail address: n0tu@webaccess.net
Home Phone: 719 481-6561
Business Phone: 590-2939
12/04/97

WANTED
WTB:Johnson Transmitters 500, or desk also looking for a
Johnson Thunderbolt.
Randall Perrin, ke4yzn CQC:
2014 1st ave west
Maylene, AL 35114
E-mail address: ke4yzn@wwisp.com
Home Phone: 205-664-7314
12/04/97

Wanted:
April and May 1997 issues of QST.

Photocopy of operating manual for Heathkit HO-10 Monitor Scope.

Jim KG0PP

303-366-7864

EJim@aol.com

P.O. Box 31575

Aurora, CO 80041-0575

11/23/97

WANTED FOR A FRIEND WITHOUT WEB ACCESS:

Heathkit HW-30 ("Two-er")

Heathkit HW-19 ("Ten-er")

Heathkit HW-29 ("Six-er")

Heathkit CB-1

Please contact me or the prospective buyer (Andy Martin, NOIZI, martina@vtc.com) if you own any of these items and would consider parting with them for a price.

Joel Kluender, NF9K CQC:

E-mail address: kluenderj@vtc.com

Business Phone: (612) 853-5581

11/23/97

WANTED

Close focus b/w or color one-chip cameras or small video cameras for assistance to the nearly blind. Application involves displaying printed text on a TV screen.

Contact KD0UE, Nate Bushnell, CQC:66

7175 S. GRANT

LITTLETON CO 80122-1135

Phone: 794-6956

E-mail:nateb@ecentral.com

11/23/97

OTHER

OTHER

stolen radio

tentec agrosy 525 with my cal drivers lic. engraved on top so-717--

also taken in the burglary was an icom 706 / icom 271h / icom 471h and a computer ibm ps/2 laptop with lots of stuff on the hard drive. hope someone recovers it thank you jerry n6ifw nor-cal

jerry schnor, n6ifw CQC:

E-mail address: jerrylee@cwws.net

Home Phone: 209-478-0423
10/30/97

END OF CQC SWAPLIST

Use your browser's functions to search for specific text or save a copy of this information to disk. Use the BACK button or click the link to return to the CQC Home Page--
<http://www.mtechnologies.com/mthome/cqcswap.htm>.

If you received this listing via e-mail, send changes, submissions, deletions, and subscription requests to cqcswap@mtechnologies.com.

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Date: Tue, 6 Jan 1998 17:46:08 -0600
From: Larry Cruise <Larry.Cruise@mci.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [237] Test Equipment How to books
Message-ID: <01BD1ACB.9227B140@lcruise.ns.mci.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

>What I'm trying to locate is something describing the use of different =
kinds of test equipment >in combination, such as a spectrum analyzer and =
tracking generator, or a sweep generator and an >oscilloscope.

Below are my recommendations for anyone who wants to get up to speed on =
how to use test equipment for building or troubleshooting.

-72 Larry (AA5TA)

Standard Radio Communications Manual- With Instrumentation and Testing =
Techniques
R. Harold Kinley (Prentice Hall ISBN 0-13-842386-5) 420 pages paperback

Written specifically for radio communications technicians, this full up to date thoroughly illustrated guide gives you all the information you need to test and measure the performance of AM, FM and SSB transmitters and receivers. as well as antennas, transmission lines, and remote control lines.

This books give you the most info for the buck. If you can only get one book this is it.

Practical Repair and Maintenance of Communications Equipment
Albert D. Helfrick (Prentice Hall ISBN 0-13-693556-7 308 pages hardback

Beginning with a discussion of repairs, failures and reliability in general Helfrick examines the responsibilities of the designer to produce reliable equipment and of the service technician to provide safe and skillful maintenance. Not only will professional technicians use this book, but radio amateurs who own, operate, and maintain their own equipment will find it indispensable.

Another good book, but expensive.

Electronic Test Instruments: A User's Sourcebook
Robert Witte (Howard W. Sams ISBN 0-672-22483-6) 261 pages paperback

To use electronic test instruments effectively, it's necessary to understand basic measurement theory and how it relates to practical measurements. Written for hobbyists, students, technicians, and engineers. A User's Sourcebook is for people who want to learn more about how electronic measurements are made and who want to build on their existing electronics knowledge.

Handbook of Practical Electronic Tests and Measurements
John D. Lenk (Prentice Hall 13-380626-X) 302 pages hardback

If you have a working familiarity with the operation and use of basic electronic test equipment-meters, oscilloscopes, signal generators- and want a handbook that spells out the precise sequence of details for virtually every test and measurement procedure you will need in your

work (plus a clear and simple explanation of its theory), here is a book =
you cannot afford to be without.

A very wide ranging book covering all kinds of test.

End of QRP-L Digest 962
